

# Brigham Young University Quarterly

*Vol. X*

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## ANNUAL CATALOGUE



*For the School Year 1915-16*

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BRIGHAM YOUNG UNIVERSITY  
PROVO, UTAH

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# Brigham Young University

QUARTERLY

*Annual Catalogue  
for School Year  
1915-16*

*Published by  
The Brigham Young University  
Provo, Utah*

# University Calendar

1915

- September 23, 24, (Thursday and Friday) Registration of students.  
September 27, (Monday) Instruction begins.  
October 16, (Saturday) Founder's Day.  
November 25, 26, (Thursday and Friday) Thanksgiving recess.  
December 23, (Thursday evening) Christmas vacation begins.

1916

- January 3, (Monday) Instruction resumed.  
January 28, (Friday) First Semester ends.  
January 31, (Monday) Second Semester begins.  
February 12, (Saturday) Lincoln's Birthday. (Program on Friday.)  
February 22, (Tuesday) Washington's Birthday program.  
April 6, 7, (Thursday and Friday) Conference Vacation.  
May 28, (Sunday evening) Baccalaureate Sermon.  
May 26, 29, 30, 31, Final examinations.  
June 1, Exhibition Day.  
June 2, (Friday) Fortieth Commencement Exercises.

# Church School Officers

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## GENERAL CHURCH BOARD OF EDUCATION.

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RUDGER CLAWSON

WILLARD YOUNG

CHARLES W. PENROSE

GEORGE H. BRIMHALL

HORACE H. CUMMINGS

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HORACE H. CUMMINGS

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# Authorities of the Brigham Young University

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## BOARD OF TRUSTEES.

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The High School District of the Brigham Young University comprises the following stakes of Zion: Utah, Alpine, Nebo, Wasatch, and Juab.

# University Council

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GEORGE H. BRIMHALL, B.Pd., D.Sc.D., President.

JOSEPH B. KEELER, D.B. M.Ac., First Counselor.

AMOS N. MERRILL, B.S., M.S., Second Counselor.

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JOHN E. HAYES, Registrar

ANNIE L. GILLESPIE, Librarian.

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DEAN R. BRIMHALL, M.A.

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MARTIN P. HENDERSON. Ph.D.

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*Professor of Agriculture.*

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*Professor of Music.*

ERNEST D. PARTRIDGE, B.S., C.E.,  
*Professor of Agricultural Engineering.*



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*Professor of Economics and Sociology.*

CHARLES E. MAW, M.A.,  
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Head of Department of Arts and Manual Training.

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*Professor of Physics and Mathematics.*

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*Professor of Psychology and Philosophy.*

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*Professor of Physical Education.*

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VILATE ELLIOTT, B.Pd.,  
*Professor of Domestic Art.*

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*Professor of Music (Wind Instruments).*

MOSES GUDMUNDSON,  
*Professor of Music (Violin).*

## BRIGHAM YOUNG UNIVERSITY.

CHARLES R. JOHNSON,  
*Professor of Music (Voice, Piano and Public School Music).*

N. L. NELSON, B.Pd.,  
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MARTIN P. HENDERSON, Ph.D.,  
*Professor of Biology.*

BENT F. LARSON, A.B.,  
*Assistant Professor of Art and Manual Training.*

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*Assistant Professor of Domestic Science.*

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*Instructor in English.*

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*Special Instructor in Art.*

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*Secretary to President.*  
*Instructor in Shorthand and Typewriting.*

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*Instructor in Accounting and Commerce.*

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HERALD CLARK,  
*Instructor in Accounting and Commerce.*

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HANS ANDERSON,  
*Instructor in Ironwork.*

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*Instructor in Domestic Art.*

IDA SMITH,  
*Instructor in Piano.*

JULIA B. JENSEN, A.B.,  
*Instructor in English.*

BESSIE IVERSON,  
*Instructor in Typewriting.*

ARMOREL DIXON, A.B.,  
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JOHN G. McQUARRIE,  
*Instructor in Woodwork.*

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*Instructor in Physiography and Art.*

## SECONDARY TRAINING SCHOOL FACULTY.

---

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 N. L. NELSON, B.Pd., *English*.  
 HARVEY FLETCHER, Ph.D., *Physics*.  
 CHARLES E. MAW, M.A., *Chemistry*.  
 WILLIAM J. SNOW, A.B., *History*.  
 FRED BUSS, A.B., *Physiography*.  
 EDWIN H. SMART, A.B., *Agriculture and Horticulture*.  
 E. H. EASTMOND, B.Pd., *Arts and Manual Training*.  
 ANTHONY C. LUND, D.B., *Music*.  
 ARTHUR L. BEELEY, A.B., *Business Education*.  
 EUGENE L. ROBERTS, *Physical Education*.  
 JOHN C. SWENSON, A.B., *Sociology and Economics*.  
 CARL F. EYRING, M.A., *Mathematics*.  
 LOTTIE HARRIS, A.B., *Domestic Science*.  
 MARTIN P. HENDERSON, Ph.D., *Biology*.  
 ANNIE GILLESPIE, *Library Economy*.

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## ELEMENTARY TRAINING SCHOOL FACULTY.

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MARY J. OLLERTON, A.B., *Director*.  
 IDA S. DUSENBERRY, B.Pd., *Kindergarten*.  
 BENT F. LARSEN, A.B., *Art and Manual Training*.  
 CHARLES R. JOHNSON, *Vocal Music*.  
 M. WILFORD POULSON, A.B., *Critic and Grade Teacher*.  
 J. RALPH WILKINS, *Critic and Grade Teacher*.  
 PEARL SNOW, *Critic and Grade Teacher*.  
 FANNIE McLEAN, B.Pd., *Critic and Grade Teacher*.  
 HERMESE PETERSON, *Critic and Grade Teacher*.  
 ELIZABETH LINDSEY, *Critic and Grade Teacher*.  
 EFFIE KELSEY, *Critic and Grade Teacher*.  
 MAMIE HUIISH, *Critic and Grade Teacher*.

## STUDENT ASSISTANTS.

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- ROBERT HINCKLEY, *German*.  
 WAYNE HALES, *Physics*.  
 WM. T. TEW, *Chemistry and Agriculture*.  
 J. THIRL AYDELOTTE, *Chemistry*.  
 FAYETTE STEPHENS, *Agriculture*.  
 LUTHER EGGERTSEN, *English*.  
 G. OSCAR RUSSELL, *Spanish*.  
 DILWORTH WALKER, *Algebra*.  
 LeGRANDE HARDY, *German*.  
 JOSEPH CARROLL, *Physics*.
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## STANDING COMMITTEES.

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The Presidency are *ex-officio* members of all committees.

*Admission and Graduation*—James L. Brown, E. H. Holt, E.

H. Eastmond, A. C. Lund, Alfred Osmond, Wm. H. Boyle.

*Credits*—Christen Jensen, Charles E. Maw, J. E. Hayes.

*Library*—Alice L. Reynolds, Annie Gillespie, W. J. Snow,  
 J. M. Jensen.

*Lectures and Musicales*—John C. Swenson.

*Social Affairs*—E. L. Roberts.

*Student Aid and Employment*—E. H. Smart, Hattie Walker.

*Petitions*—E. D. Partridge, J. E. Hayes, Carl F. Eyring.

*Athletics*—Harvey Fletcher, C. R. Johnson, E. L. Roberts,  
 E. H. Holt, J. Wm. Knight, President of the Student Body  
 (Fayette Stephens), President Alumni Association (A. C. Cand-  
 land).

*Eligibility*—J. M. Jensen, W. H. Chamberlin, N. L. Nelson.

*Printing and Publicity*—A. N. Merrill, N. L. Nelson, E. H.

Eastmond, E. H. Holt, Arthur L. Beeley, Editor of White and Blue and Editor of Banyan.

*Schedules of Events*—J. E. Hayes, Christen Jensen.

*Schedules of Classes*—E. H. Holt, Hattie Walker.

*Extension Work*—James L. Brown, John C. Swenson, W. H. Chamberlin.

*Care of Girls and Women's Activities*—Alice Louise Reynolds, Vilate Elliott, Lottie Harris, Lydia Hasler Candland, Lydia Stevens Merrill, Hattie Thornton Snow, Margaret Wright Murdock, Belle Wilson.

# Brigham Young University

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## HISTORY.

For the first twenty-eight years of its existence, the institution now designated as the Brigham Young University was known as the Brigham Young Academy. It was founded by a deed of trust executed by President Brigham Young, October 16, 1875. A tentative session, beginning shortly after, and closing in February, 1876, was conducted by Honorable W. N. Dusenberry. A month later the preliminary session was resumed and conducted for six weeks under the principalship of Dr. Karl G. Maeser, who had been called by the founder to take permanent charge of the school. The first academic year was formally opened August 21, 1876, the dedicatory prayer being offered by Daniel H. Wells. Dr. Maeser continued as principal for fifteen years, when he was promoted to the general superintendency of the Church schools; and Dr. Benjamin Cluff, Jr., was chosen to take this place. In 1894, when regular heads or principals of departments were appointed, the title of the executive was changed to that of President, and some time after a presidency was effected with George H. Brimhall and Joseph B. Keeler as counselors.

The first Board of Trustees consisted of seven members, viz., Abraham O. Smoot, William Bringham, Myron Tanner, Harvey H. Cluff, Wilson H. Dusenberry, Martha J. Coray, and Leonard E. Harrington. A reorganization took place in 1890, when the Trustees, together with the executors and heirs of Brigham Young, conveyed to a new Board all real estate held by the Acad-

emy, an act which greatly improved the material interests of the institution, which had been supported in the main, by tuition, up until this time.

In the death of Abraham O. Smoot, which occurred March 6, 1895, the Academy lost one of its oldest friends and staunchest supporters. To fill the vacancy thus made, Brigham Young, the eldest son of the founder, was elected President of the Board of Trustees, and George Q. Cannon, and Reed Smoot were elected to fill other vacancies in the Board.

On July 18, 1896, the institution was formally incorporated under the laws of the State. Following are the names of the incorporators, who were also the Trustees of the institution: Brigham Young, George Q. Cannon, Myron Tanner, Harvey H. Cluff, Wilson H. Dusenberry, Karl G. Maeser, David John, Susa Young Gates, Reed Smoot, Thomas R. Cutler, George D. Snell, and Joseph Don Carlos Young.

Provision is made in the articles of incorporation that the institution shall be under the management of a board of twelve trustees to be elected every three years by the Latter-day Saints assembled in annual conference. The first election took place April 6, 1897. At a meeting of the Board held August 2, 1897, George Q. Cannon of the First Presidency of the Church was elected president of the Board, filling the vacancy occurring at Brigham Young's death, which position he (George Q. Cannon) held to the time of his death, April 12, 1901.

George Q. Cannon was succeeded in office by President Lorenzo Snow, who in turn was followed by President Joseph F. Smith. David John and Jesse Knight were in turn vice-presidents.

Lewis Hall, situated at the corner of Center and Third West streets, was the first home of the institution. The building had been purchased for the Academy by President Young, and was re-arranged to meet the wants of the school. This hall served the purpose of the institution for nine years. By the opening of the tenth academic year two additions had been completed. Six months



later, on the night of January 24, 1884, the entire structure was destroyed by fire. Only one school day was lost. The basement of the old Tabernacle, Mr. S. S. Jones' store and the newly-completed First National Bank building were generously donated for the use of the school during the remainder of the year. The free use of the bank building was largely due to the generosity and personal influence of President Abraham O. Smoot. The following year the upper floor of the large Z. C. M. I. warehouse was leased. Here the school remained for six years, at the expiration of which time a new building (now called the high school building) was completed, and on Monday, January 3, 1892, it was formally entered and dedicated.

Founder's day was first celebrated in the year 1891, and has since become a prominent holiday. This day, 1896, was signalized by the formal creation, by the Board of Trustees, of the college department.

A point in the growth of the school was soon reached when more room became necessary. The need was promptly met by the following named persons: Wilford Woodruff, George Quayle Cannon, Joseph Fielding Smith, Reed Smoot, Jesse Knight, Charles Edwin Loose, Jesse William Knight, Alfred William McCune, Inez Knight Allen, and Stephen L. Chipman. The collegiate building, the dedication of which took place during Commencement week, 1898, now stands as a monument to their liberality. The heating plant, tableted chairs and settees, with which the rooms are seated, were donated by the patrons and friends of the school through the Alumni Association.

The Brigham Young Academy South American Expedition, with President Benjamin Cluff, Jr., in charge, started on its journey April 17, 1900, and returned to Provo, February 7, 1902. During the two years that President Cluff was away, the institution was under the supervision of Dr. George H. Brimhall as Acting President.

Many volumes have been added to the library from

time to time by persons particularly interested in the institution. The most notable gift is that of Mr. Frank Warren Smith, who established a library known as the Maria Leland Library, a tribute to his maternal grandmother. This library, consisting of many rare books and magazines, is constantly being added unto by its founder.

On February 17, 1902, the Gymnasium and Training building, erected at a cost of \$35,000.00, was dedicated. The means for this structure were mainly the gifts of public-spirited friends, chief of whom were Jesse Knight and David Evans. On the same day President Benjamin Cluff, Jr., having returned from South America, resumed his office as President of the institution.

No history of the school would be complete that did not recognize the energy of the students in advancing its interests. Through their efforts many volumes have been added to the library. The institution is indebted to the students for the digging of trenches for the laying of six blocks of sewer pipe; the planting of trees, lawn, flowers and shrubbery on the High School block. They also took the initiative in the movement that led to the building of the Gymnasium, collecting several thousand dollars used in its erection, and at its completion furnished it with suitable equipment.

With a vision of the time when the school would need increased acreage for other buildings, as early as 1904, steps were taken to acquire land on Temple Hill. A purchase of seventeen acres was made from Provo City. A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by Mrs. Jennie B. Knight and given to the school, while the student body acquired the point of the hill. The remainder of the campus, now comprising some thirty-eight acres, was purchased by the Brigham Young University.

For a long time it had been felt that the character of the work of the institution entitled it to a more comprehensive name. This fact was recognized by the

Board, and on Founder's Day, 1903, the name was formally changed from the Brigham Young Academy to that of Brigham Young University.

On December 22, 1903, President Benjamin Cluff, Jr., severed his connection with the institution, his resignation having been accepted a short time before. Dr. George H. Brimhall was chosen acting president of the University, and at the beginning of the school year 1904-5 he was elected president.

On October 26, 1904, the Missionary and Preparatory building was dedicated by President Joseph F. Smith. The first two stories of this building were erected by donations from the Alpine, Nebo, Utah, and Wasatch Stakes of Zion, and were set apart for the home of the Missionary Department and Sub-High School. The third story was fitted up for Domestic Science and Domestic Art work, Miss Emma Lucy Gates contributing nearly one thousand dollars, with a view to founding later a Domestic Science Department, bearing the name of her grandmother, Lucy B. Young, wife of the founder of the institution. The cost of the building was over \$13,000.00.

The same year another building was erected at a cost of \$2,500.00 for instruction in iron work. Ten forges in this building were donated by public-spirited citizens.

During the year 1905-06 there were established two scholarships for girls—the Maria Y. Dougall scholarship and the Eliza Woolacott scholarship.

In 1906-07 the degree of A. B. was substituted for the degree B.Pd. Five hundred acres of excellent fruit land situated on Provo Bench were donated to the institution by the Knight family. Members of the faculty and members of the Board of Trustees contributed \$1,000.00 for the purchase of apparatus for the laboratory of physics.

During 1907-08, the students, teachers, and patrons of the school contributed \$2,025.70, with which cement walks were laid throughout the grounds. Another notable contribution by the students and teachers was one of \$1,000.00, with which a small plot of ground on the point of Temple Hill was purchased, and donated to the

institution. The dedication of Temple Hill for educational purposes took place January 16, 1908, President Joseph F. Smith offering the dedicatory prayer.

The General Board of Education, February 11, 1909, established in this institution the Church Teachers' College, and concentrated here the college work of the Latter-day Saints' Church School system. In accordance with this decision, the organization of the University in general was modified.

The members of the Alumni Association, ever loyal to the needs of the institution, asked the Church authorities for the privilege of erecting a memorial building to Dr. Karl G. Maeser, which should also be the first building for this college. As a result of their effort and liberal contributions, the Maeser Memorial building was erected and furnished at a cost of \$130,000.00. This building was opened for use during the school year 1911-12. It occupies an imposing position on the brow of Temple Hill, east of the city, and serves as a nucleus around which a cluster of buildings will be erected as the needs of the Teachers' College enlarge.

At the suggestion of the General Church Board of Education, and on the recommendation of the University Faculty, on February 29, 1912, the honorary degree, Doctor of Literature (D.Lit.), the first to be conferred by the institution, was conferred upon Mrs. Emmeline B. Wells of Salt Lake City, editor of the "Woman's Exponent," and President of the Woman's Relief Society organization of the Church, wife of Daniel H. Wells, who offered the first dedicatory prayer in the history of the institution.

In the fall of 1913 the Ladies' Gymnasium erected, at a cost of \$30,000.00, was completed. This building serves a dual purpose, that of furnishing a suitable gymnasium for the ladies and also an amusement hall for the school, where the social activities may be supervised.

On September 22, 1914, Jesse Knight made an endowment to the University of \$100,000.00 in bonds, bearing six per cent interest per annum, said bonds maturing in twenty years. The interest on these bonds is to be put at interest until the bonds mature. During the school

year 1914-15 the University was given the special work of selecting high school religion class teachers for the Church, through the extension department of the institution. On May 26, 1915, the students began and built the greater portion of the "Y" Pony Trail, from the base of the mountain east of Provo to Maple Flat, a picturesque point on the mountain overlooking beautiful Utah valley.

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## ORGANIZATION.

The Brigham Young University comprises the Church Teachers' College, offering (1) four years' work above the high school, leading to the degree of Bachelor of Arts; (2) two years' work leading to a normal diploma; (3) one year's work leading to a normal certificate. It also maintains a high school for four years' work in which a student may specialize in any one of five directions, viz., (1) in the academic department; (2) in the department of business education; (3) in the department of vocal and instrumental music; (4) in the department of arts and manual training; (5) in the department of agriculture.

### THE UNIVERSITY LECTURE COURSE.

The University maintains, as a supplement to its regular work, a Lyceum course. This course was established sixteen years ago.

The last year's course included the following:

Alton Packard, Cartoonist

B. Y. U. Orchestra (Prof. M. S. Gudmundson, Director)

Maud May Babcock

The Collegians, Quartette

Montraville Wood

Russell H. Conwell

Dr. Edward A. Steiner

The Ben Greet Players  
Helen Keller and Annie Macey  
James H. Goddard, Operatic Singer

### THE STUDENT BODY.

This organization encourages and unifies the activities of the students in their interclass competitions, their competitions with other schools, and in their efforts to advance the interests of the University. Through this organization the students publish the school paper, "The White and Blue," and also the University year book, the "Banyan." The debating activities of the school, also, are fostered by and are under its management. The affairs of the organization are under the direction of the Student Body Board of Control, composed of the following: The president and two vice-presidents chosen from among the students, the presidents of the class organizations, the president of the Associated Collegians, the director of Physical Education, the president of the Alumni Association, and the Presidency of the University.

### DISCIPLINE.

The standards of honor and Christian integrity consistent with Latter-day Saint ideals are required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or associations are subject to discipline.

For the injudicious expenditure of means students will be called to account. The use of strong drink or tobacco, the keeping of late hours, having improper associates, or visiting places of questionable repute, are not permitted and will not be tolerated. Students are not permitted to attend public parties except on written request of parents and guardians, and then only at the discretion of the faculty. All social functions given by any organization of the school are under the direction of the standing committee on socials. Students will be held re-

sponsible for the cost of any damage done by them to the property of the institution. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violations of any of the regulations make the offender liable to suspension or expulsion.

By an action of the Student Body, a student who does not conduct himself in harmony with the foregoing rules of discipline is not considered a loyal member of that organization, can not receive its honors, and forfeits all student body privileges.

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## SCHOOL SOCIETIES.

### ARTS SUPERVISION ASSOCIATION.

This organization consists of the normal students of fine and manual arts, of domestic science and domestic art, who have been graduated by this institution; also of prospective graduates in these lines. The purpose is the special advancement of this particular line of educational work.

### MASTERBUILDER CLUB.

This organization has been established for the benefit of students having special talent in any particular phase of fine and applied art. Students become life members on entrance and remain such as long as advancement is shown by them. During the year lectures on practical application and other topics in connection with arts and crafts are given by members of the faculty and other recognized educators. Exhibitions of artists' and craftsmen's work are held under the auspices of this organization. Various projects for developing an appreciation of professional expression are promoted.

### THE MUSIC SOCIETY.

This is a society of the students in music, the purpose being to study classic selections. The society meets weekly for an hour's recital by the instructors and leading students in music.

### THE COLLEGE LITERARY CLUB.

The purpose of this organization is to develop greater appreciation for good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others. Only fourth-year students of the high school and college students are eligible to membership.

### PRIZES IN PUBLIC SPEAKING AND WRITING.

There have been established at the University the following prizes for contests in public speaking and writing.

1. The Jex Gold Medal for the best oration on any subject.
2. The Kirkham Medals, given to those students who make the debating teams.
3. The Frank Hinckley Medal, given for the best essay on "Honor Thy Father and Thy Mother."
4. Gold Medal for the best original story, given by the Committee on Care of Girls and Women's Activities.
5. Gold Medal for the most efficient student in school, given by the Provo Commercial Club.

### LIBRARY.

The Library contained, on January 1, 1915, 12,154 bound volumes besides thousands of pamphlets. The Library is rapidly growing, and much attention is given to careful selection of purchases suitable to the various departments.



Class organizations of the school have been generous contributors, the class of '97 taking the initiative. The contributions of the classes have been as follows:

On Philosophy, by the Class of '97—252 volumes.

On Theology, by the Class of '98—720 volumes.

On Literature, by the Class of '00—215 volumes.

On History, by the Class of '02—383 volumes.

On Science, by the Class of '03—455 volumes.

On Psychology and Pedagogy, by the Class of '04—200 volumes.

On Economics and Sociology, by the Commercial Department—30 volumes.

Periodicals, by the High School '04—201 volumes.

On American Antiquities, by the Class of '05—27 volumes.

**Maria Leland Library.**—An event of importance to the library is the formal gift, on April 15, 1905, of the Maria Leland Library, by Mr. F. Warren Smith, of California. This collection consists of 1,500 volumes on physics, chemistry, and allied subjects. An addition has been made to this collection of about one hundred and thirty bound volumes of annals of chemical associations, both American and foreign.

**U. S. Depository Library.**—Through the efforts of Senator Reed Smoot, the Government, on May 18, 1908, made the Brigham Young University library a U. S. Depository. This library contains several hundred public documents of value, as references in history, sociology, education, economics, agriculture, geology, etc. These documents are accessible to the public.

**Periodicals.**—Besides local and state papers, the library contains the leading scientific and literary journals, both American and foreign, of value to the various departments and of general interest to the students.

### USE OF THE LIBRARY.

The Library is open each week-day during the regular session of the school from 7:45 a. m. until 6:30 p. m., and on Saturday from 9:00 a. m. until 12:00 m.

General reference books, United States public documents, and bound periodicals are to be consulted in the reading room only.

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### ENTRANCE FEES.

Church Teachers' College.....	\$20.50
High School:	
Academic department .....	20.50
Department of Business Education.....	37.00
Music department .....	20.50
Arts and Manual Training department.....	20.50
Agricultural department .....	20.50

The above entrance fees include the student body fee, subscription to the "White and Blue," and season ticket to the Lyceum course. Students of other divisions of the school may take work in the department of Business Education by paying extra for each course.

Training School entrance fee, \$4.00. This fee includes free admission to the Lyceum course, and to all campus sports.

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### GRADUATION FEES.

Bachelor's Degree .....	\$10.00
Teacher's Diploma .....	5.00
Teacher's Certificate .....	5.00
High School Diploma .....	5.00

Laboratory fees, varying from 50 cents to \$5.00, are collected each semester, according to the subjects taken.

# The Church Teachers' College.

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In keeping with the march of educational progress, the General Church Board of Education organized the Church Teachers' College February 11, 1909. The object of the college is to prepare teachers of both elementary and secondary grades, and to assist in the preparation of the numerous teachers in the various organizations of the Church.

## ADMISSION.

Students are either (1) regular, or (2) special.

1. To enter as a regular student, the candidate must have completed a four-year high school course, or its equivalent; or he must pass examinations in a sufficient number of subjects to make fifteen units of credit. The fifteen units presented for entrance should include: English, 2 units; mathematics, or history and civics, 2 units; science or modern languages, 3 units; elective, 8 units. Students may be permitted to register in the college with a condition of 2 units. A unit represents the credit given for five prepared lessons a week of not less than forty-five minutes length throughout the year.

2. Candidates who are of mature age, and who show ability to pursue special work, are admitted as special students on the recommendation of the professor of a department.

## ELECTION OF STUDIES.

The student, in electing his studies, should first select his major course, and then, with the advice and approval of his major professor, elect such other studies as

are desirable. The major and minor requirements for graduation should be kept in mind in choosing studies. The major subject should be followed during the four years of college attendance. At least two hours a week in Physical Education is required of all Freshmen and Sophomore students.

### GRADUATION.

Students who have completed one hundred twenty-five hours of college work, at least twenty-four of which shall be residence work, and receives one hundred twenty-five honor points, and who have satisfied major and minor requirements, may receive the degree of Bachelor of Arts (A. B.)

Students will be credited with Honor Points on the following basis: 1.4 times the number of hours credit for A grade work; 1 times the number of hours credit for B grade work; .6 times the number of hours credit for C grade work; 0 in honor points for D grade of work, but credit for course will be given.

The candidate must present at least twenty-four hours in the department in which his major work is done, and ten hours of collateral or minor work. English 1 is required of all candidates. More than forty hours in any one subject will not be accepted towards graduation.

The candidates will also be required to furnish credits in the following lines:

Education, Philosophy and Psychology.....	15	hours
Mathematics, Applied Science, Correlated Arts and Agriculture .....	15	“
English and Foreign Languages.....	15	“
History and Government, Sociology, Economics and Commerce .....	15	“
Pure Science (Physics, Chemistry, Biology, Ge- ology, Physiology) .....	15	“

No variation from this grouping of credits will be permitted except upon the approval of the major professor.

Sixteen hours a semester is the normal work, but a student may, with the approval of his major professor, elect eighteen hours.

Students who have completed two years' college work, including fifteen hours in the Department of Education, will be awarded a Normal Grammar Grade Diploma. The line in which the student specializes will be indicated on the diploma.

Students who have completed one year's college work, including fifteen hours in the Department of Education, will be granted a Normal Certificate.

### CLASSIFICATION OF STUDENTS.

A regular college student with fewer than thirty hours' credit at the beginning of the school year shall be classed during that year as a Freshman.

A regular college student with more than twenty-nine hours' credit, and fewer than sixty, at the beginning of the school year, shall be classed during that year as a Sophomore.

A regular college student with more than fifty-nine hours' credit, and fewer than ninety, at the beginning of the school year shall be classed during that year as a Junior.

A regular college student with more than eighty-nine hours' credit at the beginning of the school year, shall be classed during that year as a Senior.

### CREDITS.

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited school when such credit is to be used for graduation from the University, the amount to be determined by the committee on credit. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. 4. For work done under the supervision

of the head of the department concerned. 4. For work done under the supervision of the Extension department. Credit in theology may be given for missionary work by complying with such requirements as the supervisor of theology may prescribe.

Students with excess high school credit of college grade who desire to transfer such into college credit, must apply for such transfer during the first semester's residence in the University, otherwise no such transfer will be permitted.

Special examinations for advanced credit will be given only with the consent of the student's major professor, the dean of the Church Teachers' College, and the committee on credit. The fee for such examinations is paid before taking the examination.

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## DEPARTMENT OF THEOLOGY AND RELIGION.

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*Professor Keeler, Supervisor*  
*Professor Brimhall.*  
*Professor Merrill.*  
*Professor Osmond.*  
*Professor Brown.*  
*Professor Fletcher.*  
*Professor Jensen.*  
*Professor Nelson.*  
*Professor Chamberlin.*

1. **Book of Mormon.**—This course consists of a study of the internal and external evidences of the authenticity of the Book of Mormon, also a harmony of the teachings of the Hebrew and Nephite prophets in relation to Christ, his mission and doctrine. Throughout the year, five hours at 11:00; four hours credit.

2. **Life of Christ.**—The aim of this course will be to show that Jesus Christ was a typical Son of God; that

his life was foreordained to teach the way for all lives; that his principles and doctrine are universal in content, and, therefore, modern; and that resolved in terms of the here and now, his teachings form a body of spiritual, moral, and social truths capable of yielding love, joy and peace on earth, and of creating and sustaining the hope of immortality and eternal life. Throughout the year, five hours at 11:00; four hours credit.

**2a. The Apostolic Age.**—The bestowal of the Holy Spirit upon the disciples of Christ. The preaching of the gospel and the founding of the Church among the Jews. The life of Paul and the gospel among the Gentiles. The epistles. Throughout the year, five hours at 11:00; four hours credit.

**3. Natural and Revealed Religion.**—A study of the relationship of these two forms of faith. Under the head of natural religion, the natural and humanistic means of finding out God are carefully classified and discussed. The sequence of the discussion is the establishment of a natural and logical foundation for the revelations of God to man. Under the head of revealed religion, the following are some of the fundamental problems discussed: Free agency, Personal Liberty and Social Restraint, Conditions of Happiness, the City of God, and the Nature and Agencies of Redemption. Throughout the year, five hours at 11:00; four hours credit.

**4. Gospel Dispensations.**—This course deals with the gospel dispensations studied from the view point of time, place, principal characters, epoch-making events, and doctrines taught. The contributions of each dispensation to the race, and the value of these contributions to the individual. A close correlation of ethics, history, sociology, and psychology. Lectures and discussions. Each student will compile a manuscript reference book and write at least one monograph. Throughout the year, five hours a week at 11:00; four hours credit.

**4a. Ecclesiastical History.**—Some of the important subjects treated in this course are: the religious and po-

litical world at the Messiah's birth; the rise and spread of Christianity; the intermingling of pagan philosophy with Christian doctrine; the apostasy; the origin and growth of the papacy; the monastic system; growth and suppression of heresies; religious effects of the Renaissance; the Protestant reformation and the rise of religious sects; decline of persecution and growth of religious toleration; restoration of the Gospel; present status of Christendom. Throughout the year, five hours a week at 11:00; four hours credit.

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### DEPARTMENT OF EDUCATION.

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*Professor Brown.*

*Professor Brimhall.*

*Professor Johnson.*

*Professor Eastmond.*

*Professor Harris.*

*Professor Ollerton.*

*Assistant Professor Dusenberry.*

*Assistant Professor Larson.*

The department of Education has a well-equipped Training School, including a kindergarten department, and the eight grades of the public school. Here opportunity is given for students in education to make practical application of principles and methods of teaching. The school is in charge of competent supervisors and critic teachers who direct the practice work of the students in training.

Students who wish to specialize in any subject or prepare themselves for supervisors will be assigned additional work under special teachers. When they have completed the required work in a special subject, it will be indicated on their diplomas.

The secondary training is done in the High School department of the University under professional teachers. Students are given opportunity to do practical classroom work in the subjects they are preparing to teach.



1. **Educational Psychology.**—A study of the mental processes and the function of education in stimulating their growth and development. A review and verification of recent scientific experiments in the learning process, and their application to school-room practice. First semester, M. W. F., at 3:15 ;three hours credit.

2. **Principles of Education.**—Modern view of the meaning, scope, and aim of education; its methods, means and institutions. Educational theory and general principles and methods are discussed. Second semester, M. W. F., at 3:15 ; three hours credit.

3. **Pedagogy.**—A study of the science of education as a foundation for the practical work in the Training School. Discussion of the educational value of the subjects of study in the grades, including a review of the subject matter and methods of presentation. School management, including organization, regulations, rewards, punishments, hygiene. Lectures and discussions supplemented by library reading. Throughout the year, M. W. F. at 10:00; four hours credit.

4. **Elementary Training.**—This course is designed to give practical work in grade teaching and management. It consists of preparation and discussion of plans, observation and supervision. Students are expected to be able to recognize and apply the underlying principles of methods used and to develop and express their own individuality in the practical work. Opportunity will be given to develop skill in teaching and ability to control classes and departments. Throughout the year, M. T. W. Th., from 1 to 3; eight hours credit.

5. **History of Education.**—This course covers the educational theories and practices of the Greeks and the Romans, the decline of pagan and the rise and growth of Christian education, the rise of universities, and the great Renaissance. It presupposes a knowledge of Ancient and Medieval History. First semester, M. W. F. at 9:00; three hours credit.

6. **History of Education.**—Continuation of course 5. This course includes a consideration of the origin and growth of secondary and elementary education, the rise and development of science and a scientific method in education and the growth of modern school systems with their institutions and practices. Knowledge of European or Modern History supposed. Second semester, M. W. F., at 9:00; three hours credit.

7. **School Organization and Administration.**—The organization of elementary, secondary, and the higher educational institutions, their relationship to each other and to social activities, their purposes and programs of study; the administration and supervision of schools in state, city, and rural communities. First semester, T. Th., at 9:00; two hours credit.

8. **School Organization and Administration.**—Continuation of course 7. Second semester, T. Th., at 9:00; two hours credit.

9. **Secondary Training.**—Methods of recitation in secondary schools; observation of teaching, planning of lessons, written reports and discussions. One semester, T. Th. at 10:00; two hours credit.

10. **Practice Teaching.**—Actual practice in teaching will be given in high school studies, usually in those which are in line with the student's major subject. Throughout the year, time to be arranged; four hours credit.

11. **Juvenile Sociology.**—Dependents, defectives, delinquents, neurotics. The attitude of modern society toward these and their social treatment. The institutions for and processes of their care, education and reformation. First semester, M. W. F.; three hours credit. (Credits for this course will be given also in the department of Sociology, Economics, and Commerce.)

12. **Normal Methods in Music.**—Designed especially to prepare regular teachers to teach music in their own grades. Tonal tendencies in major and minor intervals; pitches, triads, signatures, dynamics, rhythm, note reading, and simple melody writing. First semester, T. Th., at 3:15; two hours credit.

13. **Normal Methods in Music.**—Course 12 required, note reading, sight singing, decisions of problems involved in proper treatment and training of child voice. Methods of teaching. Chorus practice and individual practice in singing songs suitable for primary grades. Second semester, T. Th. at 3:15; two hours credit.

#### NORMAL DRAWING.

1. **Form Study and Representation.**—Various phases of mass representation dealing with clay, paper cutting, crayons, charcoal, water color, etc. Study of composition in dark and light and in color. Practical blackboard drawing decoration. Light and shade. Distance representation in color, form, tone, and atmosphere. Object sketching. Study of perspective. Motives for correlative illustration. Illustrative sketching. Lettering. Practical method work. Throughout the year, M. W. F., at 4:15; six hours credit. Laboratory fee, \$1.00.

#### NORMAL MANUAL TRAINING.

1. **Correlative Handicraft for Primary Grades.**—Principles of art applied to paper construction, book-binding, weaving, braiding, plaiting, knotting, clay modeling, simple block printing, stenciling, thin wood construction, and other lines of constructive design needed by teachers in practical work. Color schemes and color mediums studied. Careful attention given to method. Required: Drawing a, or Normal Drawing. Consideration of the state course of study in art by applying problems. Throughout the year, M. W. F., at 4:15; six hours credit. Laboratory fee, \$1.00, each semester.

**2. Correlative Handicraft for Grammar Grades.**—Elementary metal work, clay modeling, drawing, bench work, basketry, book-binding, textile work, stenciling, elementary pottery work, block printing, and other lines of constructive design. Practical method work with special emphasis on centers of interest. Required: Drawing a, or Normal Drawing. Consideration of state course of study continued, problems applied. Throughout the year, T. Th., at 4:15; four hours credit. Laboratory fee, \$1.00.

### ARTS SUPERVISION.

**1. Theory and Method.**—Study of the educational possibilities of fine art and manual arts training. (Drawing, design, drafting, woodwork, ironwork, domestic art, domestic science, etc.) Special emphasis given to the possibilities of these various lines of industrial arts work in schools of elementary, high school, and college grade, Normal observation work. Consideration of adopted course of study in church and state schools. Study of adaptation of materials and mediums of expression. Study of arts and manual training correlation. Educational ideals. Required: Education 1. First semester, M. W., at 1:15; three hours credit.

**2. Supervision Training.**—The planning of courses of study. Actual training with classes of various grades or with high school classes. Subdivisions will be necessarily made and students will be given training work with teachers of various subjects, viz., Fine and Applied Arts, Drafting, Domestic Art, Woodwork, Ironwork, etc. Second semester, time and credits arranged with the professor of the department. Required: Education 2, Normal Drawing 1, and History of Art 1 and 2.

**3. Teaching of Domestic Science.**—A consideration of courses of study. The purpose of domestic science and its relation to other subjects. The planning and presentation of lessons. Practice given in the planning of laboratory equipments and in observation, assistance, and teaching in school classes. Two hours a week through-

out the year, time to be arranged; four hours credit. Education 2 and Domestic Science 1 and 2, and Arts Supervision 1 required.

### KINDERGARTEN WORK.

1. **Gifts and Occupations.**—A consideration of selected and connected play material which keep within the realm of the child's experience. Throughout the year, Tu. Th., at 10:00; four hours credit.

2. **Froebel's Child Study and Stories.**—This course gives a general survey of appropriate literature for children, and a classification of this literature for purposes of reference is worked out. Lectures and comparisons with present-day plays of children. A specific study of the child and child nature in connection with his daily activities. Throughout the year, Tu. Th., at 9:00, four hours credit.

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### PSYCHOLOGY AND PHILOSOPHY.

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*Professor Chamberlin.*  
*Professor Brimhall.*

1. **Introductory Psychology.**—A study of human behavior. The nervous system as a condition of behavior and an aid in its explanation. Instinct. The formation of habits. Feeling, emotion, the concrete mental processes and their function in habit formation. First semester, M. W. F., at 9:00; three hours credit.

2. **Advanced Psychology.**—A continuation of course 1, involving a more intensive study of human experience. The function of language. The higher mental processes in relation to conduct. The applications of psychology. Second semester, M. W. F., at 9:00; three hours credit.

3. **Experimental Psychology.**—An experimental

study of the higher mental processes; association, memory, thinking, etc. First semester, M. at 3:15; two hours credit.

4. **Social Psychology.**—A study of the social phase of human experience and conduct. The significance of suggestion. Communion and service as necessary to the growth of freedom and power. The family and the playground as the cradle of human nature and social organization as a means of its development. Throughout the year, T. Th., at 9:00; four hours credit.

5. **Philosophy of Nature.**—Phenomenal nature and science as a phase of human nature. The world viewed as a system of co-existing individuals. The validity of the moral and religious aspects of experience. Throughout the year, T. Th., at 8:00; four hours credit.

6. **Logic.**—A study of the occasion, nature, and function of the thinking process. The use of the syllogism. Scientific methods. Good thinking in relationship to conduct. First semester, M. W. F., at 8:00; three hours credit.

7. **Ethics.**—The organization of our activities in the process of adjustment to our environment. The significance of interest in others. Freedom and the organization characteristic of the fullest life. Æsthetics in its relationship to ethics. Second semester, M. W. F., at 8:00; three hours credit.

8. **Seminary.**—Advanced study of some topic to be selected from the fields of psychology and philosophy. Two or three hours throughout the year.

(Not given in 1915-16.)

Credit in this department is given for courses in Sociology.

**DEPARTMENT OF ENGLISH.**

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*Professor Osmond*  
*Professor Reynolds*  
*Professor Nelson*  
*Instructor Dixon*

**1. Rhetoric and Composition.**—Themes, conferences, lectures, and prescribed reading. This course or English 1-a is required of all candidates for the degree of Bachelor of Arts. Throughout the year, Section 1, M. W. F., at 1:15; Section 2, M. W. F., at 9:00; six hours credit.

**1a. Teachers' Course in English.**—This course will take up an analytical study of English grammar, and will consider, from a pedagogical point of view, the development of the forms of discourse. Throughout the year, M. W. F., at 8:00; six hours credit.

**2. Composition and Literature.**—Oral and written composition, conferences, lectures, and prescribed reading, their major in the English department. English 1, or 1a. This course is required of all students who elect required. Throughout the year, T. Th., at 3:15; four hours credit.

**1b. Journalism.**—The course will review the fundamentals of good copy, such as spelling, punctuation, grammar, the preparation of manuscript, and proof-reading; and will consider at length those principles of style which make for directness and simplicity in sentence structure. Invention will be confined mainly to material embodied in the experience of the student, and will be directed to themes suitable for local papers and magazines. Two hours throughout the year. Time to be arranged.

**3. Public Speaking.**—The first semester is devoted to the cultivation of voice and action in public speaking and reading. In the second semester the student is given

practice in the preparation and presentation of all forms of public discourse. Throughout the year, M. W. F., at 3:15; six hours credit.

4. **English Literature.**—A systematic and comprehensive study of the best literature from the Norman Conquest to Chaucer. Throughout the year, T. Th.; four hours credit. (Not given 1915-16.)

5. **English Literature.**—The Romantic Poets. An intensive study in Wordsworth, Coleridge, Byron, Shelley, and others. Lectures, prescribed reading, and weekly papers. Throughout the year, M. W. F., at 9:00; six hours credit.

6. **Milton.**—Milton's minor poems and several books of *Paradise Lost* are carefully studied. First semester, T. Th., at 3:15; two hours credit.

6a. **Elias.**—O. F. Whitney's epic of "Mormonism." First semester, T. Th., at 3:15; two hours credit.

7. **The English Drama.**—A study of the English drama from the Miracle Plays to the closing of the theatres. Second semester, T. Th., at 3:15; two hours credit.

8. **Shakespeare.**—In this course five or six of the great plays of Shakespeare are read in class. Special attention is given to the interpretation of difficult passages. While the primary purpose of the course is to make the students familiar with Shakespeare, it is believed that a compliance with its requirements involves the ability to understand and appreciate Elizabethan literature in general. The course is so arranged that it may be taken in two successive years. Throughout the year, M. W. F., at 10; six hours credit.

9. **Shakespeare.**—Continuation of 8. Throughout the year, M. W. F., at 9:00; six hours credit.



10. **Chaucer.**—In this course a number of the Canterbury Tales are read in class. The student is carefully drilled in Chaucer's pronunciation, and special attention is given to the interpretation of the text. Throughout the year, T. Th., at 2:15; four hours credit.

11. **English Literature.**—The history and development of the English novel. Throughout the year, T. Th., 2:15; four hours credit.

12. **American Literature.**—A course dealing with the history and development of American literature. While covering the material outlined in the text, attention will be given to the modern American novel and drama. Throughout the year, T. Th., at 10:00; three hours credit.

13. **Philology.**—The history and development of the English vocabulary. A comprehensive study of the ways of words and the development of English grammar. Second semester, M. W. F., at 10:00; three hours credit.

16. **English Literature.**—A course in Victorian literature. Throughout the year, T. Th., at 5:15; four hours credit.

17. **Contemporary Literature.**—Lectures, prescribed reading, and written reports. Throughout the year, T. Th.; four hours credit. (Not given 1915-16.)

17a. **Modern Drama.**—A study of contemporary drama from Ibsen to Mackaye. Representative writers will be selected from each national group. Throughout the year, T. Th., at 4:15; four hours credit.

18. **Anglo-Saxon.**—The work of this course is based on Bright's Anglo-Saxon Reader. Throughout the year, T. Th.; four hours credit. (Not given 1915-16.)

**ELOCUTION.**

1. **Literary Interpretation.**—This course is designed for advanced students of reading. Its aim is to give ability to interpret the printed page by continual individual practice with personal help and criticism. A number of literary masterpieces will be studied to develop emotional power and literary application. Throughout the year, M. W. F., at 10:00; six hours credit.

2. **Shakespeare Interpretation.**—Several plays of Shakespeare will be interpreted orally and the principal scenes will be presented in class. Throughout the year, M. W. F., at 9:00; six hours credit.

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**DEPARTMENT OF ANCIENT LANGUAGES.**


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*Professor Chamberlin.*

**HEBREW.**

1. A study of the grammatical principles of the language in connection with the reading of Genesis 1-8, and portions of the books of Samuel. A vocabulary of five hundred important Hebrew words is acquired. Throughout the year, M. W. F.; six hours credit. (Not given in 1915-16.)

2. A study of syntax in connection with the reading of selections from the prophets. Memorizing of Isaiah 53 and of several psalms. Throughout the year, T. Th.; four hours credit. (Not given in 1915-16.)

**GREEK.**

1. A study of Gleason's Greek Primer; the first book of the Anabasis. Throughout the year, M. T. W. Th., eight hours credit. (Not given in 1915-16.)

2. The second and third books of the Anabasis; books one, two, and three of the Iliad. Throughout the year, M. W. F.; six hours credit. (Not given 1915-16.)

3. Selection from Xenophon's Memorabilia; Plato's Apology and Crito. Throughout the year, M. W. F.; six hours credit. (Not given in 1915-16.)

4. A study of New Testament Greek in connection with the reading of the Gospel of Mark. Course 1 is a prerequisite. First semester, M. W. F.; three hours credit. (Not given in 1915-16.)

5. Translation and study of Paul's letter to Romans, second semester; M. W. F.; three hours credit. (Not given 1915-16.)

#### LATIN

Three hours college credit will be given for first and second year high school Latin.

1. Cicero's orations against Cataline and the oration for Archias. Throughout the year, M. W. F., six hours credit. (Not given in 1915-16.)

2. Æneid of Virgil; six books are read. Throughout the year, M. W. F.; six hours credit. (Not given 1915-16.)

3. Cicero's De Amicitia; selections from Livy's Roman History; Odes of Horace. Throughout the year, M. W. F.; six hours credit. (Not given 1915-16.)

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### DEPARTMENT OF MODERN LANGUAGES.

*Professor Brimhall.*

#### GERMAN.

All courses in this group are conducted in German.

1. **Elementary.**—Pronunciation, easy readings, with practice in speaking and writing German; grammar. Throughout the year, daily, at 8:00; ten hours credit.

2. **Elementary.**—Continuation of course 1. Reading of easy classics, grammar and conversation. Throughout the year, daily, at 9:00; ten hours credit.

3. **German Grammar and Composition.**—Written and oral exercises, including the regular inflection of the parts of speech, the rules concerning articles, cases, auxiliaries of all kinds, and moods, and the elements of word formations. First semester, daily, at 2:15; five hours credit. Prerequisites, German 1 and 2, or an approximate equivalent.

4. **German Composition and Conversation.**—This course is designed to afford additional training in speaking and writing German. Second semester, daily, at 2:15; five hours credit.

5. **Advanced German.**—The reading at sight of modern German prose or poetry and the translation into German of ordinary English prose. First semester, daily, at 1:15; five hours credit. Prerequisites, German 1 and 2.

6. **Technical Prose.**—Subjects in the natural sciences, history and economics are studied. Special reading assigned to students in connection with this course. Composition and reading at sight. Second semester, M. T. W. Th., at 1:15; four hours credit. Prerequisites, German 1 and 2.

7. **The Teaching of German.**—A course in methods, textbooks, and teachers' aids, with practical demonstration. Second semester, F., at 1:15; one hour credit. Prerequisite, German 3. Given in connection with German 4.

8. **General History of the German Literature.**—From the middle ages to the death of Goethe. Lectures and discussions; collateral reading; essays. First semester, daily; five hours credit. Prerequisite, German 1 and 2. (Not given in 1915-16.)

9. **Novelists of the Nineteenth Century.**—Selected novels of Hauff, Freytag, Ludwig, Kellar, Meyer, Sudermann and others. Composition. Second semester, daily; five hours credit. Prerequisites, German 1 and 2. (Not given in 1915-16.)

FRENCH.

1. **Elementary Course.**—Pronunciation, easy reading with practice in speaking and writing French, grammar. Newson's First French Book; Newson's Second French Book. Throughout the year, daily; ten hours credit. (Not given in 1915-16.)

2. **Intermediate Course.**—Reading of nineteenth century classics, conversation, composition and grammar. Commelin et Ritter, Petit Dictionnaire Francais; Crouzet, Berthet et Galliot, Grammaire Francaise. Throughout the year; ten hours credit. (Not given in 1915-16.)

3. **Advanced Course.**—Rapid reading of French newspapers, reviews, scientific articles, and classics of last three centuries; composition and conversation. Throughout the year; ten hours credit. (Not given in 1915-16.)

4. **Outline of French Literature.**—Study of Herriot, Histoire de la Litterature Francaise; reading of classics. Throughout the year, daily; ten hours credit. (Not given in 1915-16.)

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DEPARTMENT OF MATHEMATICS.

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*Professor Fletcher.*

*Professor Eyring.*

1. **Plane Trigonometry and the Elements of Analytical Geometry.**—First semester, daily; five hours credit, three hours for the former subject and two hours for the latter, at 9:00.

2. **Elements of Calculus.**—A course adapted to the needs of the general student and to students of advanced physics. Second semester, daily, at 10:00; five hours credit.

3. **College Algebra.**—First semester, daily; five hours credit. (Not given 1915-16.)

4. **Definite Integrals.**—A course treating of the properties and methods of computing definite integrals with applications to Physics and Geometry. Byerly's Integral Calculus will be used as a text. First semester, daily, at 8:00; five hours credit.

5. **Differential Equations.**—Second semester, daily; five hours credit. (Not given 1915-16.)

6. **Analytic Mechanics.**—Second semester, daily; five hours credit. (Same as Physics 11.)

7. **Analytical Mechanics.**—Continuation of course 6. Second semester, daily; five hours credit. (Not given in 1915-16.)

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## DEPARTMENT OF HISTORY & GOVERNMENT.

*Professor Jensen.*

*Assistant Professor Snow.*

### HISTORY.

1. **American History.**—The period from the discovery of America to 1817. This course begins with the problems of discovery, exploration, and colonization. The European conflicts for colonial expansion and the causes, conflicts, and results of the American Revolution are also studied. The "Critical Period" and the formation of the National Constitution are traced, after which the course is concluded with an examination of the establishment of

the National Government, Federalist supremacy and downfall, Jeffersonian democracy, the expansion of the Republic, and the Second War with England. First semester, five recitations per week, at 10:00; five hours credit.

2. **American History.**—The period from 1817 to 1912. This course considers the "Rise of the New West," the formulation of the Monroe Doctrine, the Jacksonian "reign," the tariff controversy, the Mexican War, the economic, political, and moral phases of slavery, and the constitutional questions arising therefrom. Following this, a study is made of the military and economic history of the Civil War and the problems involved in the reconstruction of the nation. Civil service reform, the Spanish-American War, the acquisition of the Philippines, and the establishment of a colonial policy are also examined. The economic, financial, industrial, and social phases of American history since the Civil War are given special consideration. Second semester, five recitations per week at 10:00; five hours credit.

3. **History of England to 1660.**—This course deals with the origins of English institutions, the struggle between Anglo-Saxons and Normans, the emergence of a strong nation under William the Conqueror and Henry II, the parliamentary development of the thirteenth century, the Hundred Years War, the Wars of the Roses, the pre-eminence of England under the Tudors, and the struggle of the Divine Right Monarchy with the forces of Puritanism to 1660. First semester, M. W. F.; three hours credit. (Not given 1915-16.)

4. **History of England since 1660.**—Continuation of course 3. Emphasis will be placed on the Protestant Revolution, the development of the cabinet system, the wars with France and the Napoleonic struggles, the conditions leading up to the American Revolution and the loss of the American colonies, the political, social and religious reforms of the nineteenth century. Second semester, M. W. F.; three hours credit. (Not given 1915-16.)

**5. The French Revolution and the Napoleonic Period.**—A study of the causes, constitutional and social experiments of the French Revolution, with an examination of Napoleon's career. First semester, M. W. F.; three hours credit. At 2:15.

**6. History of Europe Since 1814.**—An examination of the rule of Metternich, the development of Liberal opposition, the revolutions of 1820, 1830, and 1848, the unification of Italy, and the establishment of the German Empire, concluding with a survey of present European conditions. Second semester, M. W. F.; three hours credit. At 2:15.

**7. History of Greece.**—This course covers the period from the dawn of Greece to the time of the Roman conquest. Attention is given to the political, economic and intellectual development of the Greek people, and the dissemination of Greek culture through the agency of the Alexandrian empire. Throughout the year, M. W. F.; six hours credit. At 10:00.

**8. History of Rome.**—A study of the development of the political, economic, and social life of the Romans, the motives and underlying principles of their growth, and the symptoms and causes of their decline. Throughout the year, M. W. F.; six hours credit. (Not given in 1915-16.)

**9. History of the Middle Ages.**—This course will cover the period from the fall of Rome to the Peace of Westphalia, 1648. Emphasis will be placed on the following: Feudalism, monasticism, the holy Roman Empire and the papacy, the Renaissance, the pre-Reformation movements; the influence of discovery, exploration, and invention, the Reformation and the religious wars culminating in the Thirty Years' war. Throughout the year, M. W. F.; at 3:15; six hours credit.



## GOVERNMENT.

1. **Comparative Constitutional Government.**—This course will include the study of the governments of the United States, England, France, Germany, Austria Hungary, Switzerland, etc. Throughout the year, M. W. F., at 8:00; six hours credit.

2. **Government of the United States.**—This course considers the American political system—national and state. The more important subjects studied are: Territorial basis of national life; the people within the United States; American theories of popular government; historical development of American government; citizenship and alien status; suffrage; political parties and their organization; doctrine of two spheres; constitution making; the national legislature; the national executive; the national judiciary; civil service reform; adoption of constitutions; status of territories; foreign relations; departments of state governments, local government, etc.

A general course in American history is prerequisite. Throughout the year, M. W. F., at 9:00; six hours credit.

3. **International Law.**—A study of the sources, principles, and sanctions of international law. Most of the time is devoted to the fundamental subjects of peace, war, and neutrality. The influence of The Hague conventions and the Declaration of London upon international law, will also be considered. Throughout the year, T. Th., at 9:00; five hours credit.

4. **History and Principles of American Diplomacy.**—Open to students who have passed satisfactorily in Government 3, or who can otherwise satisfy the instructor of their fitness. Throughout the year, T. Th.; four hours credit. (Not given 1915-16.)

5. **Municipal Government.**—This course deals with municipal growth and development in the United States,

and in the principal European countries. Attention is given to municipal structure, organizations and administration. Among the important subjects treated in their relation to municipal government are: The history of municipal growth, public health and safety, charities, education, improvements, finances, home rule, politics, and municipal ownership. Throughout the year, T. Th.; four hours credit. (Not given 1915-16.)

6. **Government of England.**—This course aims to give a thorough understanding of English government. Frequent comparisons with American government will be made. Some of the important subjects treated are: The nature of parliamentary government; the crown; the cabinet; the executive departments; the permanent civil service; the House of Commons, relations between the Commons and the Cabinet; the House of Lords; private bill legislation; the party system; the rise and fall of the caucus; local government; relation of central government to local authorities; education; the church, relation of England to the British Empire; the courts of law, etc. Throughout the year, M. W. F.; six hours credit. (Not given 1915-16.)

### CONSTITUTIONAL LAW.

1. A study of federal and state constitutions; their adoption, amendment, and construction; relation between the federal government, states, and territories; guaranty of republican government to the states; comity between the states; government of the territories; admission of new states; distribution of powers between Federal and state legislatures; powers and functions of the legislature in regard to taxation, regulation of commerce, naturalization, money, war, etc.; powers of the executive relating to reprieves, pardons, treaties, diplomatic relations, appointment and removal of officers; the judiciary, grant and exercise of jurisdiction; checks and balances in government; civil rights and their guaranties; citizenship and political privileges; protection to

persons accused of crime; protection to contracts and property. Text: A standard book of cases on Constitutional Law. Throughout the year, T. Th., at 8:00; five hours credit.

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**DEPARTMENT OF ECONOMICS, SOCIOLOGY  
AND COMMERCE.**

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*Professor Swenson.*  
*Instructor Clark.*  
*Instructor Beeley.*

**ECONOMICS.**

1. **General Principles of Economics.**—A study of the underlying principles governing the production, exchange, distribution, and consumption of wealth. First semester, daily at 8:00; five hours credit.

2. **Economic History of the United States.**—The economic development of the United States through the colonial era, and the period of the industrial revolution and westward movement with emphasis upon economic integration and industrial organization. Second semester, daily at 8:00; three hours credit.

3. **Ocean and Railway Transportation.**—The development of the ocean traffic and the American railroad from the standpoints of history, charter, privileges, capital, service, passenger, freight, express, and mail; relation to the public, and relation to the state. Second semester, daily at 9:00; five hours credit.

4. **Public Finance.**—The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration. Second semester, M. T. W. Th.; four hours credit. (Not given 1915-16.)

5. **Money and Banking.**—A study of the principles of money and banking, the exemplification of those principles in the monetary and banking history of the United States, and the study of the present-day currency, and banking problems in the United States. White's "Money and Banking." First semester, M. W. F.; three hours credit. (Not given 1915-16.)

6. **Corporate Industry.**—A study of the history, organization and economic functions of corporations with emphasis upon their relation to our present social order and the problems they present. Second semester, M. W. F.; three hours credit. (Not given 1915-16.)

7. **Labor Problems and Legislation.**—The labor problem in relation to modern industry; the rise and growth of labor organizations; the development of collective bargaining; industrial arbitration and conciliation; the principles of state interference in industry. First semester, M. W. F., at 9:00; three hours credit.

### COMMERCE.

1. **Accounting.**—The construction and interpretation of accounts. This course will review the complicated problems of bookkeeping, and lay a foundation for accountancy study. Balance sheets, statements, reports, etc., will be constructed and carefully analyzed and interpreted. The principles of capital vs. revenue, depreciation, cost, and specialized industry accounting will be emphasized. First semester, M. T. W. Th., at 9:00; four hours credit.

2. **Advertising and Selling.**—History of advertising, recent industrial and trade changes affecting advertising and selling. The psychology of advertising; how to influence men; power of argument and suggestion and when to use each. Classes of advertisers and their aims. The essentials of selling; securing attention, getting interest, creating desire and inspiring resolve. The law

of sale; the advertising agency; types; mediums; color schemes; trade-marks; copyrights; advertising technique, etc. Practice work interspersed. First semester, M. T. W. Th., at 8:00; four hours credit.

**3. Mercantile Credit.**—This course deals primarily with fundamental phases of mercantile credit, its history and theory. Credit instruments, mercantile and personal credit, sources of credit information, operations of agencies and adjustment bureaus, etc., together with a thorough treatment of bankruptcy legislation, are features of the course. First semester, M. T. W. Th.; four hours credit. (Not given 1915-16.)

**4. Business Organization and Administration.**—A study of the evolution of business organization. Partnership, joint stock company, corporation, trust, federation, holding company, amalgamation and merger organizations are discussed in detail. The latter part of the course deals particularly with internal workings of modern corporation. Second semester, M. T. W. Th., at 9:00; four hours credit.

### SOCIOLOGY.

**1. Elements of Sociology.**—A study of the factors that control social life. The origin and development of social institutions and the forces of social control are considered. First semester, M. W. F. at 10:00; three hours credit.

**2. Practical Social Problems.**—A study of practical social problems met in modern social life. Second semester, M. W. F., at 10:00; three hours credit.

**3. Social Economics.**—A general survey of the leading economic, social, and individual causes of social disorder and poverty; methods and principles of modern relief policies; the charity organized society movement, and other current movements for social betterment. First semester, T. Th., at 10:00; two hours credit.

4. **Social Economics.**—Continuation of Course 1. Second semester, T. Th. at 10:00; two hours credit.

5. **Social Psychology.**—A general study of the development of mind from social interaction into the complex forms manifest in modern societies. The nature and growth of "self," suggestibility, mass-mind, fashions, conventionalities, customs, etc. Primitive and modern societies compared with respect to the operation in them of conservative and reconstructive forces. Text: Cooley's "Human Nature and the Social Order." Throughout the year, T. Th., at 9:00; four hours credit. (See Psychology 4.)

6. **Juvenile Sociology.**—Dependents, defectives, delinquents, neurotics. The attitude of modern society toward these and their social treatment. The institutions for and processes of their education and reformation. First semester, M. W. F., at 3:15; three hours credit. (See Education 11.)

7. **Oral Discussion.**—A course in argumentation and debate. The aim is to give the student training in the discussion of public questions in the field of history, politics, economics and sociology. One hour throughout the year; time to be arranged.

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## DEPARTMENT OF PHYSICS.

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*Professor Fletcher.*

*Professor Eyring.*

*Assistant Carroll.*

1. **Elementary Physics.**—This course is offered for those who do not present Physics for entrance into college. Prerequisite, Algebra. Throughout the year, daily from 8:00 to 10:00; eight hours credit. Laboratory fee, \$1.50 each semester.

**3. Mechanics, Molecular Physics and Heat.**—A general college course presented mainly from the experimental point of view. Prerequisites, high school Physics or Physics 1 and preferably Trigonometry. First semester, daily from 1:15 to 3:15; five hours credit. Laboratory fee, \$1.50.

**4. Electricity, Sound, and Light.**—A general college course presented mainly from the experimental point of view. Courses 3 and 4 comprise one year's work in general college physics. Prerequisite, course 3. Second semester, daily, from 1:15 to 3:15; five hours credit. Laboratory fee, \$1.50.

**5. Molecular Physics and Heat.**—Kinetic theory of gases, theory of Brownian movements, methods of measuring molecular magnitudes, laws of thermodynamics and their application to gases, osmotic pressure, change of state, etc. Prerequisites, Calculus and Physics 3. First semester, daily; five hours credit. (Not given 1915-16.)

**6. Experimental Physics—Molecular Physics and Heat.**—Measurements of specific heat of gases, density of depression of the freezing point, and raising of the boiling point of different solutions, etc. Prerequisite, Course 4, vapors, viscosity of liquids and gases, high temperatures. Second semester, daily; five hours credit. Laboratory fee \$3.00. (Not given 1915-16.)

**7. Electricity and Magnetism.**—General principles of magnetism, electro-magnetism, static electricity, direct and alternating currents, J. J. Thompson's "Electricity and Magnetism" will be used for reference. Prerequisites, Calculus and Course 4. M. W. F., throughout the year, at 10:00; six hours credit.

**8. Experimental Physics, Electricity and Magnetism.**—Use of potentiometers, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistance, measurements of earth's magnetic field; absolute measurements of

current, potential difference, resistance, capacity; study of direct and alternating current dynamos and motors; study of alternating currents with capacity and inductance in the circuit. Prerequisite, course 4. T. Th., 3:15 to 5:15, throughout the year; four hours credit.

9. **Optics and Astrophysics.**—Geometrical optics, theory of optical instruments, including interferometer, echelon, and diffraction grating; physical optics, Maxwell's electro-magnetic theory of light. Spectroscopy and its application to astronomical problems. Prerequisites, two years College Physics and Calculus. Throughout the year, daily; ten hours credit. (Not given 1915-16.)

10. **Experimental Optics.**—During the first part of the course experiments outlined in Mann's Manual of Advanced Optics will be performed, and during the last part special work with the echelon and concave grating will be given. Throughout the year. Lecture Monday at 3:00, and laboratory W. and F. from 3:00 to 5:00; six hours credit. Laboratory fee, \$3.00. (Not given 1915-16.)

11. **Mechanics and Wave Motion.**—Fundamental equations of Mechanics and their application to physical problems, vibrations of strings, rods, and plates, sound waves, water waves and Hertzian waves. Prerequisites, Calculus and course 4. Second semester, daily, at 8:00; five hours credit.

## ASTRONOMY.

*Professor Fletcher.*

1. **Descriptive Astronomy.**—A description of the principal phenomena in the solar system and sidereal universe. In the evening frequent visits will be made to the observatory where, by means of one of the best telescopes in the West, the students will become familiar with the principal objects of interest in the heavens. Throughout the year, T. Th., at 10:00; four hours credit.



2. **General Astronomy.**—This course will be a discussion of the general truths of Astronomy with simple demonstrations. Prerequisites, Physics a or Astronomy a, and Trigonometry. Five hours credit. (Not given 1915-16.)

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## DEPARTMENT OF CHEMISTRY.

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*Professor Maw.*

*Assistant Tew.*

*Assistant Aydelotte.*

1. **General Chemistry.**—The principles and theories of chemistry are considered in detail in connection with the non-metals. First semester, daily, at 10:00, and two two-hour laboratory periods a week; five hours credit. Laboratory fee, \$3.00.

2. **General Chemistry.**—Continuation of 1. Metals and elementary qualitative analysis. Second semester, daily, at 10:00, and two two-hour laboratory periods a week; five hours credit. Laboratory fee, \$3.00.

3. **Qualitative Analysis.**—Open to students only who have had Chemistry 2. Chiefly laboratory work; three hours credit. Laboratory fee, \$4.00.

4. **Elementary Quantitative Analysis.**—Training in gravimetric and volumetric methods. First and second semesters. One recitation and eight hours laboratory work a week. Five or ten hours credit.

5. **Mineral Analysis.**—Systematic analysis of representative minerals. First or second semester, M., at 1:15, and eight hours' laboratory work a week; five or eight hours credit. Laboratory fee, \$3.00.

6. **Assaying.**—Crucible and scorification methods for gold and silver ores. The proper use of the assay balance. Cupellation of gold and silver. Parting of gold

and silver. One recitation and six hours' laboratory practice a week; three hours credit. Second semester. Geology 9 should be taken in connection with this course.

7. **Organic Chemistry.**—The course will take up thoroughly the simpler organic compounds, investigating the chemical behavior, the characteristic reactions and relationships of the different classes of organic compounds. The laboratory work consists in the preparation of typical carbon compounds. Throughout the year, M. W. F., at 9:00, and two two-hour laboratory periods a week; ten hours credit. Laboratory fee, \$3.00 a semester.

8. **Water Analysis.**—Second semester, four hours' laboratory work a week; two hours credit. Laboratory fee, \$3.00.

9. **Food Analysis.**—Second semester, four or eight hours' laboratory work a week; two or four hours credit.

10. **Physical Chemistry.**—Second semester, four hours' laboratory work a week; two hours credit.

11. **Electrolytical Analysis.**—Second semester, four hours' laboratory work a week; two hours credit.

12. **Independent Work in Mineral Analysis.**—First or second semester, eight hours' laboratory work a week; five hours credit.

13. **Agricultural Chemistry.**—The aim of this course is to give thorough training in the analysis of soils and agricultural products. Open to students who have completed Chemistry 3. Second semester, one recitation, M. at 1:15, and eight hours' laboratory work a week; five hours credit. Laboratory fee, \$3.00.

14. **Physiological Chemistry.**—The course is especially designed for students doing advanced work in domestic science. The chemistry of nutrition, digestion, ab-

sorption, assimilation and excretion will be considered in detail. General elementary chemistry is a prerequisite. First semester, M., and two laboratory periods a week; three hours credit. Laboratory fee, \$3.00. (Not given 1915-16.)

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## DEPARTMENT OF GEOLOGY.

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*Professor Buss.*

1. **General Geology.**—This course aims to give a general knowledge of dynamical, structural, and physiographical geology, with practical laboratory work and field excursions. First semester, M. W. F., at 2:15, and two two-hour laboratory or field periods a week; five hours credit. Laboratory fee, \$1.50.

1a. **General Geology.**—Continuation of course 1. The development and history of land areas and their life forms. Second semester, M. W. F., at 2:15, and two two-hour laboratory or field periods a week; five hours credit. Laboratory fee, \$1.50.

2. **Soil Geology.**—This course is offered especially for students interested in agriculture. The work will consist of a brief survey of general geology and a careful study of the mineralogy and geology of soils, and the influence of climate on soil fertility; mineral fertilizers; buildings and road-making materials. First semester, M. W. F., and two two-hour laboratory periods a week; five hours credit. Laboratory fee, \$1.00. (Not given 1915-16.)

3. **Economic or Applied Geology.**—This course is so arranged that students may take up any one of the following economic problems: Ores and metalliferous deposits, building materials, soils, their nature and origin, artesian wells and natural fuels. Second semester, daily. Laboratory fee, \$1.00. (Not given 1915-16.)

4. **History of Geology.**—A course treating of the development of the science of geology and of the lives and teachings of its founders. First semester, M. W. F., at 9:00; three hours credit.

5. **General Study of the Physiography and Geology of Utah.**—The material for this course will be taken from the United States Geological Reports. Second semester, M. W. F., at 9:00; three hours credit.

6. **Teachers' Course in Geology.**—This course is primarily intended to prepare teachers for the subjects of geology and physiography. Emphasis will be laid on methods as well as upon subject matter. In addition, each student will be expected to devote a reasonable amount of time to actual supervision of laboratory and class work.

The points especially touched upon are the influence of climate and topography on the activities of man. First semester, M. W. F., at 3:15; three hours credit.

7. **Physiography of the United States.**—This course is intended to follow 5 and will deal especially with the present climate and topography of the United States and how these have controlled in the economic and political development of our country. The course is essentially regional in its treatment and there will be considerable time devoted to map study. Second semester, M., at 3:15; and four hours' laboratory work; three hours credit. Laboratory fee, \$1.00.

8. **Lithology.**—A study of common rock-forming minerals; a discussion of their origin, modes of occurrence, methods of determination, and economic uses of the more important rocks. One hour recitation; three laboratory periods. The laboratory work in this course will be taken in the Chemical Laboratory as Chemistry 5—Qualitative Analysis; three hours credit; first semester. (Not given 1915-16.)

9. **Mineralogy.**—This course is designed for students who wish to become familiar with metalliferous deposits, important minerals and ores, and assay and metallurgical methods. The laboratory work in this course will be done in the Chemical Laboratory as Chemistry 6—Assaying. Second semester. (Not given 1915-16.)

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## DEPARTMENT OF BIOLOGY.

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*Professor Henderson.*

*Professor Smart*

1. **Introductory Physiology.**—A study of the fundamental structure and properties of living matter and the general principles of human physiology, including connective and supporting tissues, motor organs, the nervous system and special senses. Laboratory work is made the basis of this course. Can be taken by students who have had no previous training in biology. First semester, M. W., at 2:15 and T. Th. from 1:15 to 3:15. Four hours credit. Laboratory fee, \$2.50.

2. **Introductory Physiology.**—A continuation of course 1, including a study of the blood and organs of circulation, respiration, excretion, foods and digestion, hygiene and sanitation. Second semester, M. W., at 2:15, and T. Th. from 1:15 to 3:15. Four hours credit. Laboratory fee, \$2.50.

3. **Invertebrate Zoology.**—A general survey of the morphology, physiology, and ecology of animals with special reference to invertebrates. Special attention will be given to local forms and problems. This is designed to be a foundation course in the principles and methods of zoology. First semester, M. W. F., at 8:00, and T. Th., at 3:15 to 5:15. Five hours credit. Laboratory fee, \$2.00.

4. **General Botany.**—A preliminary discussion of the essentials of plant cytology and physiology, followed by the study in the laboratory and class of a series of plants from the principal groups in nature. Second semester, M. W. F., at 8:00, and T. Th., at 3:15 to 5:15. Five hours credit. Laboratory fee, \$2.00.

5. **Economic Bacteriology.**—The aim of this course is to give the student an insight into the nature and habits of the common microorganisms and a knowledge of their relationship to man and his work. Methods of bacteriological analysis of milk and water will be studied; also the relation of bacteria to agriculture and other industries; nature of infectious diseases, methods of infection, antiserums, etc. Two recitations per week and two laboratory periods. First semester. (Not given in 1915-16.)

6. **Neurology.**—Lectures, reading, and laboratory work upon the gross and microscopic anatomy, the development and physiology of the central nervous system and organs of special sense. Designed especially for students of psychology. Two lectures and six hours laboratory work per week. Five hours credit. (Not given in 1915-16.)

7. **Entomology.**—(a) General insect morphology. (b) General classification of insects with practice in methods of collection and preservation and consideration of economic relations. Throughout the year, M. W. F., at 8:00; three hours credit each semester. (See Horticulture 1.) Laboratory fee, 50 cents a semester.

8. **Plant Physiology.**—Laboratory and class work upon the physiology of plants. Throughout the year, M. W. F.; three hours credit. (Not given in 1915-16.)

## DEPARTMENT OF AGRICULTURE.

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*Professor Merrill.*  
*Professor Smart.*  
*Professor Buss.*  
*Professor Henderson.*  
*Instructor Beeley.*  
*Assistant Tew.*  
*Assistant Stephens.*

## AGRONOMY.

1. **Agriculture for High School Teachers.**—A knowledge of scientific agriculture is often required of teachers of science in the high schools of Utah and of other states. This course is designed to qualify high school teachers to meet this requirement. It deals with the fundamental principles of the science of agriculture, emphasis being placed on the method of presentation. Throughout the year, M. W. F., at 1:15; six hours credit.

2. **Soil Physics.**—This course is a detailed study of soils and soil types. It treats of such topics as origin and formation of soil, chemical and physical composition and their relation to crop production; soil moisture; the biology of the soil; maintaining and increasing soil fertility. The laboratory work will consist of field trips, soil judging, and the making of a physical analysis of a certain type of soil, in which the student is most interested. Throughout the year, daily at 2:15, two one-hour laboratory periods a week; six hours credit. Laboratory fee, \$1.00 a semester.

3. **Thremmatology.**—In this course the principles and practices involved in the improvement of domesticated plants and animals are studied. Such topics as variation, selection, correlation, heredity, prepotency, Mendel's law of hybrids, etc., are considered. Throughout the year, M. W. F., at 9:00; six hours credit.

4. **Agricultural Botany.**—This is essentially a course in Plant Physiology with special reference to agricultural plants. The structure, function, and response of plant organs will be the subject matter of the course. Throughout the year, M. W. F.; six hours credit. (Not given in 1915-16.)

5. **Field Crops.**—This course is a study of the botanical characteristics, methods of improvement, classification and market requirements of farm crops. Testing of fungicides used in holding fungus diseases in check, and the effect of these on germination; grain judging. Second semester, daily; five hours credit. Laboratory fee, 50 cents. (Not given in 1915-16.)

6. **Agricultural Chemistry.**—The aim of this course is to give thorough training in the analysis of soils and agricultural products. Open to students who have completed Chemistry 3. Second semester, M., at 2:15, and eight hours' laboratory work a week; five hours credit. (See Chemistry 13.) Laboratory fee, \$4.00.

7. **Soil Geology.**—This course is offered especially for students interested in agriculture. The work consists of a brief survey of general geology and a careful study of the mineralogy and geology of soils and the influence of climate on soil fertility; mineral fertilizers, building and road-making materials. First or second semester, M. W. F., at 8:00, and two two-hour laboratory periods a week; five hours credit.

8. **Agricultural Literature.**—The thing that characterizes agricultural science is the rapid increase of both technical and general literature on agricultural topics. Students selecting this course will make a careful and critical examination of the literature of specific subjects and finally submit a thesis on the subject thus investigated, together with a bibliography. Credit given according to the work done. Not less than two hours and not more than six hours will be given.



## HORTICULTURE.

1. **Economic Entomology.**—This course is a study of the life history and methods of combating destructive insects. Throughout the year, M. W. F., at 3:15, and one two-hour laboratory period a week; six hours credit. Laboratory fee, 50 cents.

1-a. **Bee Culture.**—A course in Bee Culture covering a period of five weeks is included in the course in economic entomology. Students desiring work in this line will elect entomology, or may enter for five weeks only, without credit.

2. **Pomology.**—This course deals with the theory and practice of fruit growing. Such topics are considered as the selection of the orchard site with reference to exposure, soil, market, and climatic conditions; selection of varieties for home and market uses; the nursery stock; laying out and planting of the orchard; care and management, picking and marketing fruit. Throughout the year, at 8:00, on M. W. F.; six hours credit.

3. **Plant Pathology.**—In this course such topics as factors in disease; health and disease; cause, nature and symptoms of disease; epidemics, etc., are considered. In the laboratory a careful study is made of rusts, smuts, mildews, etc. Throughout the year, T. Th., at 10:00; four hours credit.

4. **Horticultural Literature.**—See Agronomy 8.

## ANIMAL HUSBANRDY.

1. **Animal Nutrition.**—This course deals with the general principles which underlie the proper methods of feeding and management of all classes of live stock. The common foods given to stock will be studied, as to their composition and nutritive value and how both are affected

by maturity and curing. Calculating rations for the various classes of farm animals under various conditions. Text, First semester, daily; five hours credit. (Not given in 1915-16.)

**2. Types and Breeds.**—This course is a consideration of the types and breeds of horses, beef cattle, sheep and swine; their origin, development, adaptability to western conditions, records, pedigree and leading families of each. First semester, daily at 1:15; five hours credit.

**3. Veterinary Science.**—In this course the common ailments and diseases of farm animals are discussed. Contagious diseases are taken up in detail with special reference to their cause and prevention. Sanitary Science is a prominent feature in this course. The student is made familiar with the methods of examination for soundness, both in class room and in actual demonstration. Throughout the year, M. W., and one clinical period a week; six hours credit. Laboratory fee, 50 cents. (Not given in 1915-16.)

**4. Advanced Stock Judging.**—This work takes up the judging of market classes as well as the different breeds of pure bred animals, and includes the judging of groups of animals of all classes. It takes up the work done in fairs. Trips are taken to our best stock farms, where the student is given practical experience in judging. (Not given in 1915-16.)

**5. Dairy Cattle.**—This course deals with dairy cattle and milk production. It is a consideration of such topics as the dairy type, dairy breeds, standards and selection of the dairy cow, the herd bull, management of dairy cattle. Testing of milk, keeping records, etc. The laboratory work will consist of judging dairy cattle, testing of milk and demonstrating work with the latest and best dairy machinery with which the laboratory is equipped. M. W. F., at 1:15; second semester; three hours credit.

6. **Market Classes and Grades.**—This course is a study of the market classes and grades of horses, cattle, sheep, and swine. The prevailing condition of the large markets, transportation, classification at the market, etc., will be the subject matter of the course. Lecture and assigned readings. Second semester, T. Th., at 1:15; two hours credit.

7. **Poultry Craft.**—This course is offered to meet the growing demands for the latest scientific information in regard to the poultry industry. Open to students of advanced high school and college grade. It treats of systems of keeping poultry, housing, feeding the chicks, and breeding stock. Incubation, egg production, preparation of poultry for market, diseases of poultry; types, breeds, and varieties of chickens, ducks, turkeys, the breeding of poultry, etc. During the second semester a careful study will be made of the developing chick and practice will be given in operation of a modern incubator. Two hours, throughout the year; four hours credit. (Not given in 1915-16.)

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## DEPARTMENT OF MUSIC.

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*Professor Lund.*

*Professor Johnson.*

*Professor Gudmundson.*

*Professor Sauer.*

1. **Harmony.**—Throughout the year, T. Th., time to be arranged; four hours credit.

2. **Composition.**—Throughout the year, T. Th., time to be arranged; four hours credit. "Form and Composition."

3. **Music History.**—Throughout the year, F., time to be arranged; two hours credit.

4. **Directing and Supervising.**—Throughout the year, W., time to be arranged; two hours credit.

5. **Opera, or Oratorio Work.**—Second semester, daily, time to be arranged; five hours credit.

#### PRIVATE PIANO.

*Professor Lund.*

*Professor Johnson.*

Credits for advanced piano work will depend upon renditions of standard works from piano literature in the fifth and sixth grades. For one lesson a week throughout the year, four hours credit; for two lessons a week throughout the year, eight hours credit.

#### PRIVATE VOCAL.

*Professor Lund.*

*Professor Johnson.*

Students majoring in vocal music will be required to render publicly, standard arias from opera and oratorio, also difficult songs from the best living composers. For one lesson a week throughout the year, four hours credit; two lessons a week throughout the year, eight hours credit.

#### PRIVATE VIOLIN.

*Professor Gudmundson*

Students making Violin their major will be required to render concertos from Rode, Mozart, Spohr, in addition to difficult modern compositions. For one lesson a week throughout the year, four hours credit; for two lessons a week throughout the year, eight hours credit.

**WIND INSTRUMENTS (Private).**

*Professor Sauer.*

Students majoring in wind instruments will be required to render such solos, cadenzas, etc., as are found in difficult orchestral and band compositions. For one lesson a week throughout the year, four hours credit.

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**DEPARTMENT OF CORRELATED ARTS.**

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**FINE AND APPLIED ARTS.**

*Professor Eastmond.*

*Assistant Professor Larson.*

*Instructor Johnson.*

*Instructor Young.*

**PICTORIAL ART.**

1. **Water Color Painting.**—General landscape representation. Composition. Study of harmony, etc. First semester, M. W., at 3:15; one studio hour, time to be arranged; three hours credit. Laboratory fee, \$1.50.

2. **Water Color Painting.**—Continuation of 1. Still life representation, flower painting, etc. Second semester, M. W., at 3:15; one studio hour, time to be arranged; three hours credit. Laboratory fee, \$1.50.

3. **Illustration.**—Study of the reproduction of illustrations, printing plates, mediums, etc. Pose drawing. Composition. Color study. Practical illustration work. First semester, T. Th., at 3:15; one studio hour, time to be arranged; three hours credit.

4. **Illustration.**—Continuation of 3. Applied Etch-

ing. Second semester, T. Th., at 3:15; one studio hour, time to be arranged; three hours credit.

5. **Oil Painting.**—Objective and subjective 'landscape. Composition and color study continued. Required, Pictorial Art 1 and 2. First semester, M. W., at 2:15; one studio hour, time to be arranged; three hours credit. Laboratory fee, \$1.50.

6. **Oil Painting.**—Continuation of 5. Decorative painting. Still life. Study of naturalism and impressionism. Second semester, M. W., at 2:15; one studio hour, time to be arranged; three hours credit. Laboratory fee, \$1.50.

Note—Courses 1, 2, 3, 4, 5 and 6 may be given as studio work.

#### STUDIO WORK.

1. Outlines of work and other instruction will be given by the director of the department. Special attention is given to individual needs. Hours of credit are on the basis of three hours work for one hour credit T. Th., at 2:15. Laboratory fee of 50 cents for each hour's credit.

#### HISTORY OF ART.

1. **Study and Application.**—Historic development of formative influences. Religion and Art. Primitive Art. A consideration of the pre-Greek (Egyptian, Chaldaean-Assyrian, Phoenician, etc.) Illustrative charts will be made for practical use and appropriate applied work taken up as a means of participation. First semester, part time given to Illustrated lecture course. Time to be arranged; two hours credit. Laboratory fee, 50 cents.

2. **Study and Application.**—Greek, Roman, Pompeian, Byzantine, Saracenic, Gothic and Romanesque. Illustrative charts will be made and appropriate applied work taken up as a means of participation. Second sem-

ester, part time given to Illustrated lecture course. Time to be arranged; two hours credit. Laboratory fee, 50 cents.

Note—Credit and fee for Illustrated Lecture Course (History of Art) to be arranged by the director of the department.

### APPLIED ART.

1. **Design Study and Application.**—(Correlated with Mechanic Arts, Art Needlecraft, Domestic Science, etc.) Study and application of historic form and color. Creative design. The study and form, line and color from a psychological point of view. Applied decoration consisting of mural design and application—free-hand decoration, stenciling, etc. Crafts work appropriate to the library as a center or adapted through special need. First semester, T. Th.; two hours credit. Laboratory fee, \$1.50. (Not given in 1915-16.)

2. **Design Study and Application.**—(Correlated with Mechanic Arts, Art Needlecraft, Domestic Science, etc.) Continuation of 1. Emphasis on applied color study. Book of Mormon correlative work. Second semester, T. Th., at 2:15; two hours credit. Laboratory fee, \$1.50.

### CRAFTS WORK.

Outlines of work and other instructions will be given by the director of the department. Special attention is given to individual needs along the lines of Applied Arts. A lesson fee will be charged for the various phases of crafts work.

China Painting, Poster and Show card writing, wood carving, Scenery Painting, etc., may be taken up with special instructors. Credit is on the basis of three hours work (one hour general critic) for one hour credit. Time to be arranged. Required, Design a.

## MECHANIC ARTS.

*Professor Eastmond.*

*Professor Partridge.*

*Instructor McQuarrie.*

### DRAFTING.

1. **Architectural Drawing.**—Application of the ancient and modern styles of architecture. Principles of perspective, line and wash rendering. History of Art 1 required as a parallel course. First semester, M. W. F., at 8:00; two hours credit. Laboratory fee, 50 cents.

2. **Architectural Drawing.**—Continuation of 1. Application of design. Drawing fences, outbuildings, plans of grounds, stores, bridges, dwellings, etc. History of Art 2 required as a parallel course. Second semester, M. W., at 8:00; two hours credit. Laboratory fee, 50 cents.

3. **Machine Drawing.**—Detail of parts of machines drawn to scale. Designing simple parts of machines. Patent office drawings. First semester, M. W., at 1:15; two hours credit. Laboratory fee, 50 cents.

4. **Machine Drawing.**—Students will design machines complete. Drawings will be made of all details, care being used to make them as they would be where actual building follows the designing. Second semester, M. W., at 1:15; two hours credit. Laboratory fee, 50 cents.

### WOODWORK.

1. **Cabinet Work.**—Harmony and proportion, plain stair-building, and general line of practical exercises with instruction in the designing, construction, and finishing of high-grade cabinet work, also sash and door work and joinery. Throughout the year, M. T. W. Th., at 4:15; four hours credit. Laboratory fee, \$3.50.



2. **Building.**—Theory of building from drawings with practical illustration in roof-building, in plain and complicated forms, and a general line of carpenter work. Architectural drawing required before completing the course. Throughout the year, M. T. W. Th., at 4:15; four hours credit. Laboratory fee, \$3.50.

3. **Building.**—General problems of framing. Selection of materials. Laying out work and supervising construction. Shops and buildings will be visited and studied. Either semester, T. Th., at 4:15; two hours credit. Laboratory fee, \$3.50.

4. **Shop Work.**—Under the direction of the teacher, students may do advanced work and receive from two to four hours credit, according to the amount of work done. Laboratory fee, \$3.50.

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## COURSES IN HOME ECONOMICS.

*Professor Harris.*

*Assistant Professor Eastmond.*

*Professor Eastmond.*

## DOMESTIC SCIENCE.

1. **Preparation of Foods for Winter.**—Bacteria in relation to the domestic industries. Food manufacture. Study of food principles and their functions in the body. Simple preparation of jellies, vegetables, meats, breads, and desserts. Two two-hour laboratory periods and two lecture periods a week, M. W., at 1:15; throughout the year; eight hours credit. Laboratory fee, \$2.50 each semester.

2. **Detailed Study of Foods, Food Values, and Cost.**—Kinds and amounts of food for different ages and occupations. Planning of meals and serving. Canning of

fruits and vegetables. Advanced cooking. Two two-hour laboratory periods and two lecture periods a week. Throughout the year, T. Th., at 2:15; eight hours credit. Laboratory fee, \$2.50 each semester.

**3. Dietetics.**—This course aims to present the fundamental principles of nutrition and to apply them to the feeding of individuals and groups under the varying physiological, social, and economic conditions. Prerequisite, physiology, organic chemistry, and Domestic Science 1, or parallel Domestic Science 2. Throughout the year, T. W. Th., and laboratory period from 9:00 to 11:00 Friday; eight hours credit. Laboratory fee, \$2.50. (Not given in 1915-16.)

**4. Experimental Cookery.**—This course presents the principles and processes of cookery, sources of information, and demonstrative cookery from the standpoint of the student's preparing to teach Domestic Science. Throughout the year, M. W., at 3:15 to 5:15; four hours credit. Laboratory fee, \$2.50.

**5. Home Structure and Applied Art Study.**—Historic development of the house. House planning. Study of the consistency of applied form. (See Applied Art 1.) Required, High School design a. First semester, M. W., at 4:15; two hours credit. Laboratory fee, \$1.50.

**6. Home Equipment, and Applied Art Study.**—History of furniture. Applied form study continued. Applied color study. Application of stenciling and other appropriate forms of crafting. Applied picture study. Mural design study and application. (See Applied Art 2.) Second semester, M. W. F., at 4:15; two hours credit. Laboratory fee, \$1.50.

**7. Teaching of Domestic Science.**—A consideration of existing courses of study. The planning and presentation of lessons. Practice given in the planning of laboratory equipments and in observation, assistance, and teaching in school classes. Two hours a week through-

out the year, time to be arranged; four hours credit. Education 1 and 2, and Domestic Science 3 and 4, and Arts Supervision 1, required.

### DRESSMAKING.

*Professor Elliott.*

*Instructor Eyring.*

The courses are designed to fit young women for home work, and incidentally for professional work. The designing of dresses is studied from an artistic point of view, giving the opportunity to use originality, good judgment, and taste in adapting fashions to the form. The student is required to study physiology and physical culture as a means of understanding that the costume should be fitted to the well developed, well-proportioned form, and not the form fitted to the costume.

1. **Pattern Drafting.**—Paper model work. Tailor made shirt-waists suits. Designing and making of fine muslin or silk one-piece dresses made on shirt-waist draft. Study of woolen textiles. First semester, M. W., at 2:15; four hours credit. Laboratory fee, \$1.50.

2. **Pattern Drafting.**—Continuation of course 1. Second semester, M. W., at 2:15; four hours credit. Laboratory fee, \$1.50.

3. **Pattern Drafting and Models.**—Making of close-fitting lined dresses. Princess slips. One-piece dresses. Study of silk and linen textiles. First semester, M. W., at 3:15; four hours credit. Laboratory fee, \$1.50.

4. Continuation of course 3. Second semester, M. W., at 3:15; four hours credit. Laboratory fee, \$1.50.

### SHOP WORK.

In this department work is done for the public as in regular establishments. Advanced students may do some

of this outside work under the supervision of the teacher. Credit is given.

### NEEDLECRAFT.

Assignments and instructions will be given by the teacher, special attention is given to individual needs. Tatting, crocheting, with novelty braids, bead work, Eskimo and macrame embroidery are offered. Prerequisite, Domestic Art and Design. Hours of credit arranged on the basis of three hours work for one hour credit. Laboratory fee, 50 cents for each semester.

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### PHYSICAL EDUCATION.

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*Professor Roberts.*

*Instructor Dixon.*

*Instructor Webb.*

A special fee of \$2.50 is charged all students taking physical training.

1. (For men.) Elementary exercises with light and heavy apparatus. Marching tactics, games, relays, gymnastic dancing, and Swedish gymnastics. Throughout the year, M. W. F., at 4:15; one hour credit.

2. (For women.) Elementary Swedish gymnastics. Throughout the year, M. W. F., at 3:15; one hour credit.

3. (For men.) Advanced American, Swedish, and general gymnasium work. Throughout the year, T. Th., at 4:15; one hour credit.

4. (For women.) Advanced Swedish gymnastics. Throughout the year, M. W. F., at 2:15; one hour credit.

#### PROFESSIONAL COURSES.

5. (For men and women together.) Modern social dancing, folk dancing, group games, social plays. Throughout the year, F., at 5:15; no credit.

6. **Theory and Practice of Athletic Coaching.**—This course is designed to prepare athletic directors for supervision of athletic activities in district and high schools. It deals with the history and development of track and field contests, competitive team games, wrestling, boxing, tennis, base ball, and basket ball, and the best methods of conditioning athletes for competition, also how to conduct field meets, and responsibility and opportunity of athletic director in school sports. Throughout the year daily, time to be arranged; two hours credit.

7. **Theory and Practice of Physical Directorship.**—This course is designed for teachers in high schools and district schools who expect to supervise gymnasium work, physical exercise, and play activities. Lectures on history and development of physical education, growth and its relation to education, physiology of exercise, gymnastic kinesiology, anthropometry, play, play ground supervision, school hygiene, sanitation and first aid. Throughout the year, two lectures and two practice periods a week, time to be arranged; two hours credit.

Note—Physical Education 6 and 7 will likely be combined and two hours a semester credit given.

8. **Scoutcraft.**—This course aims to prepare scout leaders for active supervision of ward scout activities. The hand book for scout masters and other scout manuals will be used as texts, and lectures will be given by leading professors in the faculty. This course will be given in connection with the M. I. A. course.

## EXTENSION DEPARTMENT.

## EXTENSION CLASS WORK.

To meet the increasing demand made upon the school, competent teachers in various parts of the state have been affiliated with the Teachers' College faculty and during this year will offer courses for which college credit will be given.

## FACULTY.

JAMES L. BROWN	} Committee in Charge.	
WM. H. CHAMBERLIN		
J. C. SWENSON		
W. H. CHAMBERLIN	Brigham Young University, Provo	Psychology and Ethics
J. C. SWENSON	Brigham Young University, Provo	Social and Political Science and History
J. L. BROWN	Brigham Young University, Provo	Education
A. N. MERRILL	Brigham Young University, Provo	Agriculture
E. H. SMART	Brigham Young University, Provo	Horticulture
H. FLETCHER	Brigham Young University, Provo	Astronomy, Physics, and Mathematics
ARTHUR L. BEELEY	Brigham Young University, Provo	Commerce
J. L. BARKER	Weber Academy, Ogden	French and German
J. E. HICKMAN	Brigham Young College, Logan	Educational Psychology and Pedagogy
T. A. BEAL	University of Utah, Salt Lake City	Sociology, Economics and History
N. E. NOYES	Snow Academy, Ephraim	Education
E. E. ERICKSON	University of Utah, Salt Lake City	Sociology & Economics
R. MAESER	Murdock Academy, Beaver	English
HUGH M. WOODWARD	St. George Academy, St. George	History of Education
A. B. CHRISTENSEN	Ricks Academy, Rexburg, Idaho	German and Ancient History

Classes will be organized where a sufficient number of students justify it. It is expected that the number in a class be at least ten, but this is left to the discretion of the teacher giving the course.

**Tuition.**—Arrangements for tuition will be made with the professor in charge and will vary from \$5.00 to \$20.00, depending upon the number in the class and the nature of the course.

**Registration Fee.**—Each student will be required to

pay a registration fee of \$2.50 before any credit is officially registered.

Any information regarding the organization of these classes will be gladly furnished by the committee on extension work.

### CORRESPONDENCE COURSES.

Correspondence courses are offered primarily for students who are forced to leave school before completing regular courses. The opportunity is given such to register in this department and finish their incomplete work through correspondence with the regular instructors. At present the department is not able to offer complete courses in all the work regularly given in residence, but a large number can be given. Last year the following courses were given: Physics, English, Educational Psychology, History, Education, Mathematics, Economics, Sociology, and School Management. Any course which a student desires may be applied for and the department will endeavor to furnish the course or a substitute.

Tuition and Registration fee for Correspondence Courses:

2 hour courses.....	\$12.50	5 hour courses.....	\$20.50
3 hour courses.....	15.00	6 hour courses.....	22.50
4 hour courses.....	17.50	10 hour courses.....	32.50

Any fraction of a course less than an equivalent of a two-hour course, \$10.00.

# SCHEDULE OF

8:00	<i>Recita- tions</i>	9:00	<i>Recita- tions</i>	10:00	<i>Recita- tions</i>	11:00	<i>Recita- tions</i>	1:15	<i>Reci- ti</i>
Agronomy 7,	3	Agronomy 3,	3	Astronomy 1,	2	Theology 1,	5	Agronomy 1,	
Biology 3,	3*	Chemistry 7,	3	Chemistry 1,	5*	Theology 2,	5	Animal Hus-	
Biology 4,	3*	Commerce 1,	4*	Chemistry 2,	5†	Theology 2-a,	5	bandry 2,	
Biology 7,	3	Commerce 4,	4†	Education 3,	3	Theology 3,	5	Animal Hus-	
Commerce 2,	4*	Economics 7,	3*	Education 9,	2	Theology 4,	5	bandry 5,	
Constitutional		Economics 3,	5†	English 8,	3	Theology 4-a,	5	Animal Hus-	
Law 1,	2	Education 5,	3*	English 12,	2			bandry 6,	
Drafting 1,	3*	Education 6,	3†	English 13,	3†			Arts Super-	
Drafting 2, M.W.†		Education 7,	**	Elocution 1,	3			vision 1, M.W.	
Economics 1,	5*	Education 8,	2†	History 1,	5*			Biology 1,	
Economics 2,	4†	Elocution 2,	3	History 2,	5†			Biology 1,	
English 1-a,	3	English 1,	3	History 7,	3			Chemistry 5, M	
German 1,	5	English 5,	3	Horticulture 3,	2			Chemistry 13, M	
Government 1,	3	English 9,	3	Kindergarten 1,	2			Domestic Sci-	
Horticulture 2,	3	Geology 4,	3*	Mathematics 2,	5†			ence 1, M.W.	
Mathematics 4,	5*	Geology 5,	3†	Physics 7,	3			Drafting 3, M.W.	
Mathematics 6,	5†	German 2,	5	Sociology 1,	3*			Drafting 4, M.W.	
Physics 1,	5	Government 2,	3	Sociology 2,	3†			Education 4,	
Physics 11,	5†	Government 3,	2	Sociology 3,	2*			English 1,	
Psychology 5,	2	Kindergarten 2,	2	Sociology 4,	2†			German 5,	
Psychology 6,	3*	Mathematics 1,	5*					German 6,	
Psychology 7,	3†	Physics 1,	5					German 7,	
		Psychology 1,	3*					Physics 3,	
		Psychology 2,	3†					Physics 4,	
		Psychology 4,	2						
		Sociology 5,	2						

\*First semester only.

†Second semester only.

Classes that do not go throughout the year are indicated by an asterisk or dagger.



# CLASS RECITATIONS

<b>2:15</b>	<i>Recita- tions</i>	<b>3:15</b>	<i>Recita- tions</i>	<b>4:15</b>	<i>Recita- tions</i>	<b>5:15</b>	<i>Recita- tions</i>
Agronomy 2,	5	Biology 3,	2*	Biology 3,	2*	English 16,	2
Agronomy 6,	M†	Biology 4,	2†	Biology 4,	2*	Physical	
Applied Art 2,	2†	Domestic Sci-		English 17-a,	2	Education 5,	†.
Biology 1,	4*	ence 4,	M.W.	Domestic Sci-		Physics 8,	2
Biology 2,	4†	Dressmak-		ence 4,	M.W.		
Dressmak-		ing 3,	M.W.*	Domestic Sci-			
ing 1,	M.W.*	Dressmak-		ence 5,	M.W.*		
Dressmak-		ing 4,	M.W.†	Domestic Sci-			
ing 2,	M.W.†	Education 1,	3*	ence 6,	3		
Domestic Sci-		Education 2,	3†	Normal Manual			
ence 2,	2	Education 12,	2*	Training 1,	3		
Education 4,	4	Education 13,	2†	Normal Manual			
English 10,	2	English 2,	2	Training 2,	2		
English 11,	2	English 3,	3	Normal Draw-			
Geology 1,	3*	English 6,	2*	ing 1,	3		
Geology 1-a,	3†	English 6-a,	2*	Phys. Ed. 1,	3		
German 3,	5*	English 7,	2†	Physics 8,	2		
German 4,	5†	Geology 6,	3*	Woodwork 1,	4		
History 5,	3*	Geology 7,	M†	Woodwork 2,	4		
History 6,	3†	History 9,	3	Woodwork 3,	2		
Phys. Ed. 4,	3	Horticulture 1,	3				
Physics 3,	5*	Pict. Art 1,	M.W.*				
Physics 4,	5†	Pict. Art 2,	M.W.†				
Pict. Art 5,	M.W.*	Pict. Art 3,	2*				
Pict. Art 6,	M.W.†	Pict. Art 4,	2†				
Studio Work 1,	2	Physics 8,	2				
		Phys. Ed. 2,	3				
		Phys. Ed. 3,	2				
		Psychology 3,	M*				
		Sociology 6	3*				

The classes scheduled 3 recitations meet on Mondays, Wednesdays, Fridays. Those scheduled 2 recitations meet on Tuesdays and Thursdays.

# University High School.

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As the College of the Brigham Young University has evolved step by step through the grades of a preparatory school it has developed a well equipped high school, with the following departments:

**Academic Department.**

**Department of Business Education.**

**Music Department.**

**Arts and Manual Training Department.**

**Agricultural Department.**

## COURSES AND CREDITS.

A unit of credit, as outlined below, stands for the equivalent of one 45-minute period of recitation each day throughout the school year. In courses where the number of periods of recitation is greater or less than this, the periods of preparation are lengthened or shortened, so as to compensate. No credit will be given or recorded for work amounting to less than  $\frac{1}{4}$  unit. The courses in the following tables are arranged according to years, but if the student has the prerequisites, he may elect from any one of the four years. While each student will be required to register in one of the five departments, the electives may be chosen from other departments to make up the requisite amount of work. Students from other departments will be required to pay extra for courses in the Department of Business Education. Courses go throughout the year unless the semester is stated. The amount of credit for which a student may register is four units, except by special permission of the head of the department.

Students are expected to take the courses printed in italics in the department in which they register.

## TABLE OF COURSES AND CREDITS.

## FIRST YEAR.

	RECITATIONS PER WEEK	UNITS OF CREDIT
<b>ACADEMIC COURSE.</b>		
<i>Theology a, b</i> .....	5	1/2
<i>English a, b</i> .....	5	1
<i>Algebra a</i> .....	5	1
<b>Electives, 1 1/2 units:</b>		
Physiography a.....	4	3/4
General Science a.....	5	1
German a.....	5	1
Spanish a.....	5	1
English h.....	2	1/2
Physical Education a.....	3	1/4
Or the electives may be chosen from other departments of the High School.		
<b>BUSINESS COURSE.</b>		
<i>Theology a, b</i> .....	5	1/2
<i>English a, b</i> .....	5	1
<i>Commercial Arithmetic a, b</i> .....	5	1
<i>Penmanship a</i> .....	5	1/2
<i>Typewriting a</i> .....	5	1/2
Elective from other departments of the High School.....		3/4
<b>ARTS AND MANUAL TRAINING COURSE.</b>		
<i>Theology a, b</i> .....	5	1/2
<i>English a, b</i> .....	5	1
<b>Arts and Manual Training, 1 1/2 units:</b>		
Design a.....	3	1/2
Domestic Art a.....	5	1/2
Drafting a.....	4	1/2
Drawing a.....	3	1/2
Ironwork a.....	8	1/2
Woodwork a.....	8	1
Elective from other departments of the High School.....		1

## MUSIC COURSE.

	RECITATIONS PER WEEK	UNITS OF CREDIT
<i>Theology a, b</i> .....	5	1/2
<i>English a, b</i> .....	5	1
<b>Music, 1 1/2 units:</b>		
Singing a, b.....	4	1/2
Orchestra a .....	5	1/2
Band a .....	3	1/2
Piano (Private) .....		1/2
Vocal (Private) .....		1/2
Violin (Private) .....		1/2
Wind Instruments (Private).....		1/2
Elective from other departments of the High School .....		1
<b>AGRICULTURAL COURSE.</b>		
<i>Theology a, b</i> .....	5	1/2
<i>English a, b</i> .....	5	1
<b>Agriculture, not more than 1 3/4 units:</b>		
Agriculture a (first semester).....	5	1/2
Horticulture a (second semester).....	5	1/2
Animal Husbandry a.....	3	3/4
Elective from other departments of the High School .....		3/4

**SECOND YEAR.**

ACADEMIC COURSE.	PREREQUISITE	RECITATIONS PER WEEK	UNITS OF CREDIT
<i>Theology c, d</i> .....		5	1/2
<i>English c, d</i> .....	English a, b..	5	1
<i>History a, b</i> .....		4	1
<b>Electives, 1½ units:</b>			
Algebra b (second semester).....		5	1/2
English i .....		2	1/2
Spanish b .....		5	1
Geometry a .....	Algebra a..	5	1
German b .....		5	1
Physical Education a.....		3	1/4
Physical Education b.....		2	1/4
Physical Education c.....		1	
Or the electives may be chosen from other departments of the High School.			

**BUSINESS COURSE.**

<i>Theology a, b</i> .....	5	1/2
<i>English c, d</i> .....	5	1
<i>Bookkeeping a, b, or</i> <i>Shorthand a</i> .....	5	1
<i>Commercial Geography a</i> .....	3	3/4
<i>Commercial Arithmetic c</i> (first semester)..	5	1/2
<i>Typewriting b</i> .....	5	1/2

**ARTS AND MANUAL TRAINING COURSE.**

<i>Theology c, d</i> .....	5	1/2
<i>Theology c, d</i> .....	5	1/2
<b>Arts and Manual Training, 1½ units:</b>		
Domestic Art b.....	4	1/2
Domestic Science a.....	4	1
Drawing b .....	3	1/2
Drafting b .....	3	1/2
Dressmaking a .....	4	3/4
Ironwork b (first semester).....	8	1/2
Woodwork b .....	8	1

	RECITATIONS PER WEEK	UNITS OF CREDIT
<b>MUSIC COURSE.</b>		
<i>Theology c, d</i> .....	5	1/2
<i>English c, d</i> .....	5	1
<i>History a, b</i> .....	5	1
<b>Music, 1 1/2 units:</b>		
Singing c, d.....	4	1/2
Harmony a .....	2	1/2
Orchestra b .....	5	1/2
Band b .....	5	1/2
Piano (Private) .....		1/2
Vocal (Private) .....		1/2
Violin (Private) .....		1/2
Wind Instruments (Private).....		1/2
<b>AGRICULTURAL COURSE.</b>		
<i>Theology c, d</i> .....	5	1/2
<i>English c, d</i> .....	5	1
<b>Agriculture, 1 1/2 units:</b>		
Agricultural Engineering a (first semester) .....	5	1/2
Agricultural Engineering b (second semester) .....	5	1/2
Animal Husbandry d.....	2	1/2
Elective from other departments of the High School .....		1

## THIRD YEAR.

	PREREQUISITE	RECITATIONS PER WEEK	UNITS OF CREDIT
<b>ACADEMIC COURSE.</b>			
<i>Theology e, f</i> .....		5	1/2
<i>English e, f</i> .....	English c, d..	5	1
<i>Physics a, or Chemistry a or a-1</i> .....		5	1
<b>Electives, 1½ units:</b>			
Biology b .....		4	1
Geometry b (first sem.)....	Geometry a..	5	1/2
History c .....		4	1
Latin a .....		5	1
Physical Education a.....		3	1/4
Physical Education b.....		3	1/4
Physical Education c.....		1	
Psychology a .....		2	1/2
Or the electives may be chosen from other departments of the High School.			
<b>BUSINESS COURSE.</b>			
<i>Theology e, f</i> .....		5	1/2
<i>English c-1</i> (Business English) (first sem- ester) .....		5	1/2
<i>English d-1</i> (Correspondence) (second semester) .....		5	1/2
<i>Shorthand a or b</i> .....		5	1
<i>Bookkeeping a, b or c, d</i> .....		5	1
<i>Commercial Law a</i> .....		2	1/2
<i>Civics a</i> .....		2	1/2
<i>Parliamentary Law</i> .....		1	1/4

	PREREQUISITE	RECITATIONS PER WEEK	UNITS OF CREDIT
<b>ARTS AND MANUAL TRAINING COURSE.</b>			
<i>Theology e, f</i> .....		5	1/2
<i>Physics a, or Chemistry a, or Biology</i> .....		5	1
<b>Arts and Manual Training, 1 1/2 units:</b>			
Domestic Science b (first semester).....		3	1/2
Drawing c .....		3	1/2
Domestic Art c.....		5	1
Dressmaking b .....		3	3/4
Ironwork c (first semester).....		5	1/2
Woodwork c .....		5	3/4
Elective from other departments of the High School .....			1
<b>MUSIC COURSE.</b>			
<i>Theology e, f</i> .....		5	1/2
<i>Foreign Language, or English</i> .....		5	1
<b>Music, 1 1/2 units:</b>			
Singing e .....		4	1/2
Harmony b .....		2	1/2
Solfeggio a .....		2	1/2
Orchestra c .....		2	1/2
Piano (Private) .....			1/2
Vocal (Private) .....			1/2
Violin (Private) .....			1/2
Wind Instruments (Private).....			1/2
Elective from other departments of the University .....			1



## AGRICULTURAL COURSE.

<i>Theology e, f</i> .....	5	1/2
<i>Physics a, or</i> <i>Chemistry a, or</i> <i>Biology</i> .....	5	1
<b>Agriculture, 1 1/2 units:</b>		
Agronomy b (Field Crops) (second semester) .....	5	1/2
Animal Husbandry e (first semester)....	5	1/2
Horticulture b .....	2	1/2
Elective from other departments of the High School .....		1

## FOURTH YEAR.

	PREREQUISITE	RECITATIONS PER WEEK	UNITS OF CREDIT
<b>ACADEMIC COURSE.</b>			
<i>Theology g, h</i> .....		5	1/2
<i>English g</i> .....	English c, d..	5	1
<i>History and Civics d</i> .....		4	1
<b>Electives, 1½ units:</b>			
Astronomy a .....		2	1/2
Biology a .....		4	1
Latin b .....		5	1
Physical Education a.....		3	1/4
Physical Education b.....		3	1/4
Physical Education c.....		1	
Trigonometry a (first semester).....		5	1/2
Or the electives may be chosen from other departments of the High School.			
<b>BUSINESS COURSE.</b>			
<i>Theology g, h</i> .....		5	1/2
<i>Shorthand b, or</i>			
<i>Bookkeeping c, d</i> .....		5	1
<i>Commerce a or d</i> (second semester).....		4	1/2
<i>Commerce b or c</i> (first semester).....		4	1/2
<i>Economics a</i> (first semester).....		5	1/2
Elective from other departments of the High School .....			1
<b>ARTS AND MANUAL TRAINING COURSE.</b>			
<i>Theology g, h</i> .....		5	1/2
<i>History</i> .....		4	1
<b>Arts and Manual Training, 1½ units:</b>			
Chemistry a-1 .....		5	1
Domestic Science c.....		4	1
Drafting b-1 .....		3	1/2
Drafting c .....		3	1/2
Drawing d .....		3	1/2
Woodwork d .....		5	3/4
Elective from other departments of the High School .....			

	RECITATIONS PER WEEK	UNITS OF CREDIT
<b>MUSIC COURSE.</b>		
<i>Theology g, h</i> .....	5	1/2
<b>Music, 1 1/2 units:</b>		
Singing f .....	4	1/2
Music History a.....	1	1/4
Public School Music a.....	2	1/2
Solfeggio b .....	2	1/2
Theory of Music a (second semester)....	2	1/4
Elective from other departments of the High School .....		
<b>AGRICULTURAL COURSE.</b>		
<i>Theology g, h</i> .....	5	1/2
<i>History and Civics d</i> .....	4	1
<b>Agriculture, 1 1/2 units:</b>		
Agronomy a .....	5	3/4
Animal Husbandry c (first semester)....	5	1/2
Animal Husbandry b (second semester)..	2	1/4
Horticulture c .....	3	1/2
Elective from other departments of the High School .....		

## ACADEMIC DEPARTMENT.

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The courses in this department are specially designed to prepare students for college. Students who register in other departments of the High School elect theology, English, mathematics, history, and other basic courses from this department. Students who register in this department may elect studies from other departments with the approval of the head of this department.

### ENTRANCE REQUIREMENTS.

Applicants for admission to the Academic department are admitted on certificate of graduation from the eighth grade, or by giving other evidence of ability to pursue the work.

### GRADUATION.

Sixteen units of credit are required for graduation. The following are prescribed:

English, three units.  
Science, two units.  
Mathematics, one unit.  
History and Civics, one unit.

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## COURSES IN THEOLOGY.

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*Joseph B. Keeler, Supervisor.*

### Teachers of Book of Mormon Classes:

*B. F. Larsen.*  
*E. H. Holt.*  
*Herald Clark.*  
*Ernest D. Partridge.*  
*M. S. Gudmundson.*  
*E. H. Eastmond.*

**Teachers of New Testament Classes:**

*E. H. Smart.*  
*W. H. Boyle.*  
*Arthur Beeley.*  
*Carl Eyring.*  
*J. M. Jensen.*  
*C. E. Marx.*

**Teachers of Old Testament Classes:**

*Wm. J. Snow.*  
*Alice L. Reynolds.*  
*John G. McQuarrie.*  
*A. C. Lund.*

**Teachers of Church History Classes:**

*Fred Buss.*  
*J. C. Swenson.*  
*D. R. Brimhall.*

The theological work is the same in all departments of the High School, and practically all of the teachers take part in teaching the courses offered. The courses are based on the standards of the Church of Jesus Christ of Latter-day Saints, viz., the Bible, the Book of Mormon, the Doctrine and Covenants, and the Pearl of Great Price. The aim is to give the students a theoretical understanding of the Gospel of Jesus Christ as taught by the Latter-day Saints. As far as possible, practical religion is emphasized in order that students may have faith in God and develop a religious character.

**a, b. Book of Mormon.**—First and second semesters. Five hours a week; one-half unit.

**c, d. Life of Christ, and the Development of a Knowledge of the Gospel During the Apostolic Age.**—First and second semesters. Five hours a week; one-half credit.

e, f. **Old Testament.**—First and second semesters. Five hours a week; one-half unit.

g, h. **Church History and Doctrine.**—The history of the latter-day dispensation of the Gospel, as set forth in the new history of the Church and other publications bearing on the subject. Two weeks will be devoted to the method of keeping records and collecting genealogical data. First and second semesters. Five hours a week; one-half unit.

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### COURSES IN ENGLISH.

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*N. L. Nelson.*

*Alfred Osmond.*

*J. M. Jensen.*

*Wm. H. Boyle.*

*E. H. Holt.*

*Julia B. Jensen.*

*Armored Dixon.*

*Assistant Eggertsen.*

In the following courses the aim is to develop the power of correct oral and written expression, and to cultivate a taste for good literature. Special attention will be given to spelling, punctuation, grammar, and the habit of self-criticism—in a word to the fundamentals of correct English.

a, b. **Rhetoric and Composition.**—Simple exercises in oral and written composition, and minor classics. Throughout the year, daily; one unit credit.

c, d. **Rhetoric and Composition.**—Oral and written composition and minor classics and sentence-analysis. Throughout the year, daily; one unit credit.

**c-1, d-1. Business English and Correspondence.**—A course in technical grammar for second and third-year students of the department of Business Education, first semester, followed by a course in business correspondence, second semester. Daily; one unit credit.

**e, f. Technical Grammar, Composition, and English Classics.**—A course in analytical grammar will be given during the first semester, and a course in rhetoric during the second. In composition, emphasis will be given to themes suitable for publication in home papers and magazines. Throughout the year, daily; one unit credit.

**g. Literature.**—A study of the history and development of English literature from the Anglo-Saxon period to the present time. Required of all students of the academic department. Students who receive a grade not lower than B may get college credit for this course. Throughout the year, daily; one unit credit.

**h. Oral Expression.**—Training in thought-getting from the printed page, and its adequate expression. Voice production, gesture, and other elements of dramatic expression. Throughout the year, T. Th.; one-half unit credit.

**i. Oral Expression.**—The instruction in this course will be an elaboration of the work in course h. Throughout the year, T. Th.; one-half unit credit.

**Library Economy.**—Arrangements have been made with the department of English for the Librarian to give the students a course in library economy, the purpose being to enable students to become efficient in the use of the library. The following topics will be treated: The general make-up of a book; care of books; bibliography; the card catalogue and system of classification.

## COURSES IN HISTORY.

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*Christen Jensen.*

*Wm. J. Snow.*

a, b. **Ancient and Mediaeval History.**—This course will cover the period from the earliest times to the beginning of the 18th century. It will be especially valuable to those who cannot get more than one unit of history in the high school; reaching over as it does into the modern period, it furnishes a good introduction to the problems of the present age. **Course a** will summarize the contributions to civilization made by the five ancient monarchies, the Hebrews, and the Phoenicians, and emphasize the distinctive and distinguished achievements of Greece and Rome and the influence they exerted on the history of the world; one-half unit credit. **Course b**, second semester, will deal with the chaotic state of affairs following the fall of Rome, the rise of monasticism and feudalism, the Holy Roman Empire and the papacy, the Renaissance and the Reformation, the period of religious wars, the dynastic wars following 1648, and the work of Louis XIV. Throughout the year, M. T. W. Th.; one unit credit.

c. This course will deal exclusively with the great movements of the 18th and 19th centuries and the problems of the 20th century. Throughout the year, M. T. W. Th.; one unit credit.

d. **American History and Civics.**—This course deals with the exploration and settlement of America; the conflict with France for supremacy; the Revolution, and the formation of the Constitution. The growth and development of the nation, and rise of political parties, the slavery controversy, the Civil War, and the readjustment of the nation since the war are additional subjects that receive careful consideration. It is also the aim of the



course to familiarize students with the organization of the national and state governments, and the relationship existing between them; to point out the actual operation and workings of our government system, and to present in general outline some of the vital and fundamental problems confronting the American people. Throughout the year, M. T. W. Th.; Friday will be used at the pleasure of the instructor, for additional recitations and consultation; one unit credit.

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## COURSES IN BIOLOGY.

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*Martin P. Henderson.*

a. **Physiology, Hygiene, and Sanitation.**—This course will differ from the Physiology course given heretofore, in that it will give more emphasis to the so-called practical problems. In addition to studying the life processes of digestion, circulation, respiration, co-ordination, etc., special attention will be paid to hygiene and sanitation and the underlying principles of individual and public health. The needs of the Normal student will be kept in mind, and abundant material will be furnished for those who are preparing to teach the subject in the grades. Three recitations and one laboratory period throughout the year; one unit credit. Laboratory fee, \$1.00 each semester.

b. **Botany.**—Study in laboratory, field, and class of a series of selected types from all the principal plant groups, with attention to the elementary facts of physiology and ecology. Two recitations, one two-hour laboratory period per week, throughout the year; one unit credit. Laboratory fee, \$2.00 a semester.

**COURSES IN EARTH SCIENCE.**

*Fred Buss.*

*Glenn Johnson.*

**PHYSIOGRAPHY.**

a. **Elementary Physiography.**—This course is introductory to the study of the natural and physical sciences. It deals with the earth as the home of man. Two recitations and two hours laboratory or field work each week, throughout the year; three-fourths unit credit. Laboratory fee, \$1.50 a semester.

**GENERAL SCIENCE.**

a. This course is intended as a general introduction to the field of science and will make the student familiar with the scientific method and the work of the laboratory. It is expected that a course of this nature will acquaint the student with the fields of the various sciences and assist him in a selection of the more specialized courses offered in the later years of the high school. Three recitations and two hours laboratory work throughout the year; one unit credit. Laboratory fee, \$1.00 each semester.

**ASTRONOMY.**

*Harvey Fletcher.*

a. **Descriptive Astronomy.**—A description of the principal phenomena in the solar system and sidereal universe. In the evening frequent visits will be made to the observatory, where, by means of one of the best telescopes in the West, the students will become familiar with the principal objects of interest in the heavens. Throughout the year, T. Th.; one-half unit credit.

**COURSES IN PHYSICAL SCIENCE.**

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*Chas. E. Maw.*

*Carl F. Eyring.*

*Assistant Hales.*

*Assistant Tew.*

*Assistant Aydelotte.*

a. **Elementary Physics.**—The student will spend one-half of his time in the laboratory, where he will become acquainted with the physical facts before discussing them in recitation. Prerequisite, Algebra a. Five two-hour periods, throughout the year; one unit credit. Laboratory fee, \$1.50 a semester.

**CHEMISTRY.**

a. **General Chemistry.**—This course consists of three recitations and two hours laboratory work a week throughout the year; one unit credit. Laboratory fee, \$3.00 a semester.

a-1. **Household Chemistry.**—This course is specially suited to girls. Experience has shown that it is better in every way to give girls special work in chemistry. The aim is the training of intelligent home-makers. Special attention will be given to the chemistry of foods; poisons and their antidotes, and the chemical nature of common substances. Throughout the year, M. W. F., and two laboratory periods, T. Th.; one unit credit. Laboratory fee, \$3.00 a semester.

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**COURSE IN PSYCHOLOGY.**

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*W. H. Chamberlin.*

a. **Elementary Study of Human Behavior.**—Open to third and fourth-year students. Throughout the year, T. Th.; one-half unit credit.

**COURSES IN FOREIGN LANGUAGES.**

*W. H. Chamberlin.*

*Ralph Wilkins.*

*Assistant Hinckley.*

*Assistant Russell.*

*Assistant Hardy.*

**GERMAN.**

a. **Elementary.**—Pronunciation, easy readings, with practice in speaking and writing German; grammar. Throughout the year, daily; one unit credit.

b. **Elementary.**—Continuation of course a. Reading of easy classics, grammar and conversation. Throughout the year, daily; one unit credit.

**LATIN.**

a. **Elementary.**—The reading and translation of simple sentences and paragraphs, illustrative of Latin inflection and syntax. The aim of this course is to furnish the student with a working knowledge of elementary Latin grammar, a liberal vocabulary and ability to understand Latin prose. Throughout the year, daily; one unit credit.

b. The reading and translating of anecdotes and parts of Cæsar's "De Bello Gallico." In this course the constant application of the principles of grammar learned during the first year, and the continuous strengthening of the vocabulary help to fix the Latin language in the student's mind, and make it a permanent possession. Throughout the year, daily; one unit credit.

**SPANISH.**

a. **Elementary.**—The object of this course is to give the student a mastery of the essential principles of Span-

ish grammar. About one hundred pages of easy prose are read with constant reference to the grammar. Throughout the year, daily; one unit credit.

**b. Spanish Prose Composition.**—This course is designed to give the student a practical command of Spanish as a medium of expression. It may be varied to adapt it to the needs of the student, now tending more to commercial forms of composition, now to those forms used in literature or by the traveler. Throughout the year, daily; one unit credit.

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## COURSES IN MATHEMATICS.

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*E. D. Partridge.*

*Carl F. Eyring.*

*Delbert Webb.*

*Assistant Walker.*

### ALGEBRA.

**a. Elementary Algebra.**—This course is designed for beginners and will include a careful consideration of the subjects treated in Collins' "First Course in Algebra." Throughout the year, daily; one unit credit.

**b. Elementary Algebra.**—Stone-Mills' "Essentials of Algebra" completed. Second semester, daily; one-half unit credit.

### GEOMETRY.

**a. Plane Geometry.**—Stone-Mills' Elementary Geometry. Throughout the year, daily; one unit credit.

**b. Solid Geometry.**—Stone-Mills' Elementary Geometry completed. First semester, daily; one-half unit credit.

## TRIGONOMETRY.

a. **Plane Trigonometry.**—First semester, daily; one-half unit credit.

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## COURSES IN PHYSICAL EDUCATION.

*E. L. Roberts.*

*Armored Dixon.*

*Delbert Webb.*

A thorough physical examination and measurements is offered each student yearly, and a record of results is kept as a basis of advice as to exercise and regimen. All students requiring special care are assigned exercises according to their individual needs. In addition to two gymnasiums, one for men and one for women, the University has an athletic field which is one of the largest and best situated in the West. It lies upon Temple hill overlooking the entire Valley and lake, and receives directly invigorating breezes from the nearby canyons. The grounds contain thirty acres, including a quarter mile track, baseball and association foot-ball grounds, and tennis courts. Each member of the University is encouraged to engage in some form of out-of-door sports or games, and special training will be given to those who desire to fit themselves for field and track events.

A special fee of \$2.50 is charged all students taking physical training.

## PHYSICAL EDUCATION.

a. (For men.) Elementary exercises with light and heavy apparatus. Marching tactics, games, relays, gymnastic dancing, and Swedish gymnastics. Throughout the year, M. W. F.; one-fourth unit credit.

a. (For women.) Elementary gymnastics, aesthetic dancing, talks on personal hygiene, etc. Throughout the year, M. W. F.; one-fourth unit credit.

b. (For men.) Advanced German, American, Swedish, aesthetic dancing, and general gymnasium work. Throughout the year, M. W. F.; one-fourth unit credit.

b. (For women.) Advanced German, American, Swedish, aesthetic dancing. Fancy steps, marching, games, plays for boys and girls. Throughout the year, M. W. F.; one-fourth unit credit.

c. (For men and women together.) Social, folk, and aesthetic dancing. Fancy steps, marching, games, plays for boys and girls. Throughout the year on Friday.

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### MISSIONARY COURSE.

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*President Brimhall.*

*A. C. Lund.*

*W. H. Boyle.*

*J. G. McQuarrie.*

A course for the preparation of missionaries will be given under the direction and supervision of the general missionary committee of the Church. Each student will be duly called by the general authorities of the Church, and will take the regular theology and one extra hour in theology each day; and he will also pursue such other studies as are deemed necessary to make him a fair representative of the Latter-day Saints.

The only entrance requirement of this course is the proper credentials from the authorities of the Church calling the person to this educational mission. The course in a general way will consist of theology, drill in reading and

speaking, history, language, correspondence, and conduction of meetings.

Tuition for the missionary course will be free for the general course. Students who desire may take any line of work in the institution for which they have special aptitude and the time. They will, however, pay for courses elected outside of the missionary course.

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### M. I. A. NORMAL COURSE.

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Expense fee, \$5.00.

#### Y. M. M. I. A.

- a. Y. M. M. I. A. organization and management. Y. M. M. I. A. Hand Book as text.
- b. Manuals and Reading Course:
  - a. Contents and methods of teaching the manual.
  - b. Review of reading course books.
- c. Athletics and Scout Work:
  - a. First aid.
  - b. Scoutcraft.
  - c. Athletics and athletic direction.
  - d. Outdoor and indoor games.

#### Y. L. M. I. A.

- a. Organization and management. Y. L. M. I. A. Instructions to officers.
- b. Senior and Junior Lesson Work:
  - a. Methods of teaching.
  - b. Demonstration.



- c. Reading Course :
  - a. Value of reading habit.
  - b. Duties of ward and stake librarians.
  - c. Review of reading course books.
- d. Helps for Supplementary Work :
  - a. Missionary work. Instruction for the protection of our girls.
  - b. Domestic art.
  - c. First aid to the injured.

#### JOINT WORK.

- a. Social Work :
  - a. Social dancing.
  - b. Ballroom etiquette and management.
  - c. Games.
  - d. M. I. A. social hour.
- b. Intellectual Activities :
  - a. Public speaking.
  - b. Stories.
  - c. Drama.
  - d. Music direction.

#### RELIGION CLASS WORK.

In order to extend the privilege of regular courses in theology to students attending local high schools, the University has arranged to give courses under the head of religion class work for which high school credit will be given.

The following teachers outside of the University faculty are authorized to give these courses :

Adolph Merz, Mt. Pleasant, Utah.  
E. S. Romney, Bunkerville, Nevada.  
Charles Schwencke, Roosevelt, Utah.  
Daniel H. Robison, Manti, Utah.

William E. Bitter, Sugar City, Idaho.  
J. Walter Low, Cardston, Canada.  
Jack Major, Afton, Wyoming.  
Joseph F. Anderson, Fillmore, Utah.  
L. J. Muir, Bountiful, Utah.  
M. C. Barlow, Woods Cross, Utah.  
Mrs. Laura McCurdy, Panguitch, Utah.  
Joseph A. Rees, Santaquin, Utah.

# DEPARTMENT OF BUSINESS EDUCATION.

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Today, in order to be in harmony with one's surroundings, one must know something of the forces which are acting in the business world. Labor, capital, shipping, manufacturing, farming—everything is being centralized. The choice spots of the country have been used as the developing ground for all this centralization. Rural communities are supplying the centers with raw products, and the cities give us the manufactured article. All this means commercial transactions, and transactions mean profit, both to the buyer and the seller.

Whatever the vocation in life, one cannot escape commercialism. Whether you are a farmer, a mechanic, or a professional man you must come in contact with the trade element of modern business. You must sell your crop, your services, or anything you have produced or possess and use the money received therefor, in other commercial transactions. In fact we are beginning to realize that it is not only the producing of utilities that makes us richer or poorer, but also the marketing of them.

## ENTRANCE REQUIREMENTS.

Students may enter at any time, though it is better to commence at the beginning of a semester. Applicants are admitted on certificate of graduation from the eighth grade or by giving evidence of ability to pursue successfully the work of the department.

## GRADUATION.

Sixteen units of credit are necessary to be graduated from this department. Three units in English will be required of all students. Those specializing in Book-keeping will be required to furnish three units in Book-

keeping and Commercial Arithmetic, and one-half unit in Economics; and those specializing in Shorthand will be required to furnish two and one-half units in Shorthand and Typewriting.

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## COURSES.

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### BOOKKEEPING.

*Herald Clark.*

*Arthur L. Beeley.*

The student with no previous training is set to work in the elementary department, where he is given a thorough drill in making book entries for business transactions. He here gains a general knowledge of business forms and usages. After the beginning work in the Theory department, the student is given individual work, and comes in direct contact with his teacher, which enables him to comprehend the subject thoroughly, and to be skillful in its application.

**a. Science of Accounts.**—This study takes up commercial forms and business principles. The work is largely practical, i. e., making out of business papers, opening, posting, closing books, etc. First or second semester, two hours daily; one-half unit credit.

**b. Continuation of a.**—Each section of the course is carefully graded, the work becoming more difficult as the students advance. The Grocery, Commission and Dry Goods divisions illustrate the various systems now used by these lines of business. First or second semester, two hours daily; one-half unit credit.

**c. Advanced Bookkeeping.**—1. **Manufacturing.**—Here a comprehensive system of corporation bookkeeping

is introduced in which all phases of voucher accounting are illustrated. 2. **Business Practice.**—A short set covering three weeks' work, in which accuracy and neatness are given special emphasis. In the event of a failure to meet the requirements, the work must be repeated. Two hours, throughout the year; one-half unit credit.

d. **Cost Accounting.**—1. The fundamentals of cost accounting and cost figuring as applied to manufacturing are treated. 2. **Banking.**—Actual banking practice. Two hours, throughout the year; one-half unit credit.

**Note.**—The time required in actual banking practice will be determined by the teacher and will largely depend upon the aptitude of the student.

## COMMERCE.

*Herald Clark.*

*Arthur L. Beeley.*

a. **The Construction and Interpretation of Accounts.**  
—This course will review the complicated problems of Bookkeeping, and lay a foundation for the study of accountancy. Balance sheets, statements, reports, etc., will be constructed, and carefully analyzed and interpreted. Capital vs. Revenue, Depreciation, Cost and Specialized Industry Accounting will be emphasized. All should have Economics as a basis for this study, but students who have had practical experience in Bookkeeping may be admitted. College credit may be given for this course, provided the student completes the course with B-grade. Second semester, M. T. W. Th.; one-half unit credit.

b. **Advertising and Selling.**—History of advertising. Recent industrial and trade changes affecting advertising and selling. The psychology of advertising; how to influence men; power of argument and suggestion and when to use each. Classes of advertisers and their aims. The

essentials of selling; securing attention, getting interest, creating desire and inspiring resolve. The law of sale; the advertising agency; types; mediums; color schemes; trade marks; copyrights; advertising technique, etc. Practice work interspersed. First semester, M. T. W. Th.; one-half unit credit.

c. **Mercantile Credit.**—This course deals primarily with fundamental phases of mercantile credit, its history and theory. Credit instruments, mercantile and personal credit, sources of credit information, operations of agencies and adjustment bureaus, etc., together with a thorough treatment of bankruptcy legislation, are features of the course. First semester, M. T. W. Th.; one-half unit credit.

d. **Business Organization.**—A study of the evolution of business organization, partnership, joint stock company, corporation, trust, federation, holding company, amalgamation and merger organizations are discussed in detail. The latter part of the course deals particularly with internal workings of the modern corporation. Prerequisite, Economics a. Second semester, M. T. W. Th.; one-half unit credit.

### COMMERCIAL ARITHMETIC.

*John E. Hayes.*

a. **Commercial Arithmetic.**—Special attention is given to the application of percentage, and practice in rapid calculation. First semester, daily; one-half unit credit.

b. **Continuation of a.**—Special attention is given to interest, true discount, bank discount, commercial paper, partial payments, stocks and bonds, averaging accounts, and partnership accounts. Second semester, daily; one-half unit credit.

c. **Continuation of b.**—Special emphasis on rapid calculation. First semester, daily; one-half unit credit.

**LAW.**

*Joseph B. Keeler.*

**a. Commercial Law.**—This study embraces the subjects of contracts, agency, partnerships, corporations, guaranty, sale of goods, commercial paper, real estate, etc. Throughout the year, M. W.; one-half unit credit.

**b. Parliamentary Law.**—Rules governing the proceedings of legislative bodies, societies and public gatherings. Throughout the year, F.; one-fourth unit credit.

**CIVICS.**

*Joseph B. Keeler.*

**a. Civil Government.**—The making of American government, the state government, and the national government. Throughout the year, T. Th.; one-half unit credit.

**ECONOMICS.**

*J. C. Swenson.*

**a. General Principles of Economics.**—First semester. Daily; one-half unit credit.

**BUSINESS ENGLISH.**

*E. H. Holt.*

**c-1.**—A course in technical grammar and language-training. Prerequisite, one year's high school English. First semester, daily; one-half unit credit.

**CORRESPONDENCE.**

*E. H. Holt.*

**d-1.**—A course in the forms and composition of good business letters in systems of filing, and in the modern

devices for handling correspondence quickly and effectively. Prerequisite, Business English or its equivalent. Second semester, daily; one-half unit credit.

### COMMERCIAL GEOGRAPHY.

*Fred Buss.*

a.—This course comprises an analytical study of the world's commerce. Special attention will be given to the United States, its production, modes of distribution, internal trade, and foreign commercial relations. The benefits derived from climate, physical conditions, natural resources, etc., will also be considered. Three recitations and one laboratory period a week, throughout the year; three-fourths unit credit.

### SHORTHAND.

*E. H. Holt.*

*Hattie Walker.*

a. **Shorthand Principles.**—A careful study of the principles of shorthand as contained in the *Phonographic Amanuensis*, by Jerome B. Howard. Throughout the year, daily; one unit credit.

b. **Dictation.**—Writing from dictation, and making transcripts upon the typewriter. Speed dictation from dictograph. The ability to do neat, accurate and rapid work is required. Throughout the year, daily; one unit credit.

### TYPEWRITING.

*Hattie Walker.*

*Bessie Iverson.*

a. **Elementary.**—Learning of the keyboard by touch and the care and use of the different parts of the machine. Practice exercises, consisting of words, sentences, busi-



ness letters and commercial forms. Throughout the year, daily; one-half unit credit.

**b. Advanced.**—Dictation, writing of invoices, legal documents, financial statements, card files and rough-draft manuscripts. The department is equipped with the latest model Edison dictating machine, rotary mimeograph, and a Globe-Wernicke upright filing system. The students get at least four months actual office experience. Throughout the year daily; one-half unit credit.

### PENMANSHIP.

*Arthur L. Beeley.*

**a.**—Special attention is given to form, position and movement. Zaner's and Palmer's methods are followed. Throughout the year, daily; one-half unit credit.

**Note.**—Students of the department of Business Education may elect studies from any other department of the high school without extra expense, except laboratory fees.

## DEPARTMENT OF MUSIC.

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The department of music gives theoretical and practical instruction in branches indispensable to the educated musician. By a participation of many in the same studies, a true musical feeling is awakened, giving an advantage over private instruction, promoting industry, and preventing one-sidedness against which every singer and player during years of training should be on his guard. By miscellaneous programs, concerts, recitals, daily choir, chorus, and band drill, pupils are afforded opportunity to become accustomed to public performance, and are thereby better able to satisfy the demand which the public makes. Courses extend over four years. Each pupil applying for admission will be given an examination by which it will be ascertained whether he possesses talent requisite for enrollment, and if so, to which grade he should be assigned. Pupils exhibiting sufficient preliminary knowledge can at once be placed in upper classes. When foundation work has been slighted, such pupils may, however, be required to attend lower classes to make up the deficiency.

### GRADUATION.

A diploma will be given where the student has sixteen units of credit, provided those credits shall include the following:

English .....	3 units
History, Science, Mathematics .....	3 "
Modern Languages .....	1 "
Instrumental or Vocal Music.....	3 "
Solfeggio .....	$\frac{1}{2}$ "
Harmony and Composition .....	1 "

**CONCERTS AND RECITALS.**

The Committee on Lectures and Musicals bring from far and near the best obtainable talent. Noted singers and players and even great symphony orchestras have filled successful engagements here. The large number of students make admission fees within easy reach of all. Recitals are held weekly, in which the teachers and advanced students take part. A varied musical atmosphere is provided which has proved itself a source of culture and inspiration to all.

Entrance tuition does not entitle students to private lessons. These must be arranged for with the individual teachers. It is the policy of the department to bring beginning students frequently before the teacher—preferably by two students at a time. The divided period will count as a half lesson only.

Private students in the graduating year are advised to take at least two lessons per week.

Teachers are not allowed to assign time for lessons until financial arrangements have been made with the registrar.

Class instruction includes Harmony, Composition, Solfeggio and Music History.

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**COURSES IN VOCAL MUSIC.**


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*A. C. Lund.*

*C. R. Johnson.*

**SINGING.**

The singing classes of the University have attained an enviable reputation throughout the intermountain region. Over two hundred students begin the training of their voices in this department every year.

**a and b. Reading, Voice-building and Part Singing.**  
—Four hours, throughout the year; one-half unit credit.

c and d. **Style Anthems and Expression.**—Criticism, easy chorus. Four hours, throughout the year; one-half unit credit.

e. **Difficult Quartette and Chorus.**—Four hours, throughout the year; one-half unit credit.

f. **Opera.**—Selections from oratorio and opera. Four hours, throughout the year; one-half unit credit.

#### PRIVATE VOCAL.

*A. C. Lund.*

*C. R. Johnson.*

Correct voice placement, resonance, tone production and song interpretation illustrated and taught. Opportunity for advanced singers to appear in recital are given.

#### PIANO MUSIC.

*A. C. Lund.*

*C. R. Johnson.*

*Ida Smith.*

- a. Major scales. Kohler's First Little Pieces.
- b. Major scales. Kuhner's First Book of Etudes.
- c. Velocity studies, Czerny. Germer Technic. Kuhner's Fourth Book of Instruction.
- d. Op. 299, Czerny. Cramer Studies. Germer Technic. Two-part Inventions, Bach.
- e. Scales in Thirds. Scales in Sixths. Arpeggios. Kuhner's First Book of Instructive Pieces.
- f. Scales Double Thirds; Double Sixths. Kuhner's Second and Third Book of Etudes.

**g.** Fertigkeit-Czerny. Germer Technic. Kuhner's Fourth Book of Instruction.

**h.** Sonatas. Beethoven. Lighter Pieces from Chopin, Grieg, Schumann, Mendelssohn, etc. Appropriate selections from standard authors will be given.

**i.** Advanced technic work; Bach's Preludes and Fugues. Sonatas and pieces from standard composers, and some of the lighter ensemble playing.

**j.** Preludes and Fugues and Concerto.

(Courses e and f may be taken twice, but one-fourth unit credit only will be given the second time for each course.)

#### PRIVATE VIOLIN.

*M. S. Gudmundson.*

**a.** Correct Position of Violin and Bow.—Hohmann's Book land 2. Blumenstengel scales in first position.

**b.** Continuation of Hohmann's Studies in book 3 and second and third positions of book 4. Scales and appregios in three positions.

**c.** Completion of Hohmann's Book 4, covering fourth, fifth, sixth, and seventh positions. Begin the scales, appregios, and studies for promoting dexterity by Schradieck, Book 1.

**d.** Hohmann's Book 5, with exercises and duets covering all positions. Continuation of Schradieck's Book 1. Begin Blumenstengel's twenty-four Etudes.

**e.** Continuation of Schradieck's Book 1, and Blumenstengel's twenty-four Etudes. Begin Svhradieck's Book 2 for double-stops.

f. **Begin Kreutzer's Forty-two Caprices.**—Schradi-  
eck's Book 3, for modes of bowing. Continuation of  
scales.

g. **Continue Kreutzer's Forty-two Caprices.**—Be-  
gin concertos and concert pieces by the masters.

h. **Finish Kreutzer's Concertos and Concert Pieces.**

i. **Sight-reading.**—This course is for violin students  
who meet in classes of four twice a week. Students of  
these instruments are often lacking in sight-playing abil-  
ity, and this course is offered to overcome that deficiency.  
This is a special course, and a special fee of \$7.00 is  
charged.

Credit in the above courses will be given by the  
teacher at the close of each semester. The number of  
hours will be determined by the amount of time put in  
by the pupil and the degree of efficiency attained.

### ORCHESTRAL MUSIC.

*M. S. Gudmundson.*

a. **Foundation Work.**—Students entering this work  
must be able to play their instruments, so that no time  
will be taken from the class for fundamental instructions  
in playing, which should already have been learned in  
private lessons. Material used: Easy arrangement of  
overtures, operatic selections, dances, and miscellaneous  
music. Throughout the year, daily; one-half unit credit.

b. **Concert Orchestra.**—This organization takes part  
in the concerts and various entertainments where the ex-  
tent of the school orchestra work can be judged. Thirty  
members constitute the present membership. Students  
who have had experience sufficient to take this work may  
do so, provided the instrumentation of the orchestra will  
be correct. Throughout the year, daily; one-half unit  
credit.

c. **Orchestration.**—T. Th., throughout the year; one-half unit credit (Special fee of \$7.00 a semester.)

### MANDOLIN AND GUITAR.

*E. D. Partridge.*

Opportunity will be given students to take lessons on the mandolin and guitar. Clubs will be organized where a sufficient number of advanced students apply.

### BAND MUSIC.

*Robert Sauer.*

a. Requirements for entrance is ability to handle the instrument to the extent that no individual attention need be given the student. Review of the fundamentals of music, pitch, staff, clefs, time, signature, etc; also easy selections will be practised. Throughout the year, M. W. F.; one-half unit credit.

b. Open for those who have completed course a and are qualified to take up this work. Some of the features of this organization are playing at the student body meetings, games and other school activities. The student has a splendid opportunity for acquainting himself with a high grade of classic band music. Throughout the year, daily; one-half unit credit.

c. Class in arranging music for band. Throughout the year; one-half unit credit. (Special fee of \$7.00 a semester.)

### CORNET.

*Robert Sauer.*

Method of cornet playing, tone production, articulation, correct method of breathing, slurring and legato, single and artificial fingerings, rudiments of music, all forms of tonguing, playing high and low tones without

effort, all kinds of grace notes and embellishments, the art of phrasing and expression. One lesson a week throughout the year; one-half unit credit; for two lessons a week throughout the year; one unit credit.

Material used: First book of Shuebruk, International method and the most difficult parts of Arban's exercises.

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## THEORETICAL COURSES.

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### SOLFEGGIO.

*C. R. Johnson.*

This course provides the music students with a good systematic drill in ear-training, sight-singing, and the fundamental principles of music. Students are taught to know how music sounds by looking at the printed page, also to write a melody after hearing it played.

a. Drill in reading notes in rhythm and by interval name. Signatures of major and minor keys. Drill in determining signature and harmonic structure. Ear-training through hearing and singing common, diminished, augmented triads. Writing by dictation. Text book, "Melodia." Throughout the year, T. Th.; one-half unit credit.

b. Completion of "Melodia." Ear training and dictation continued. Seventh and altered chords studied from standpoint of interval structure. Throughout the year, T. Th.; one-half unit credit.

### THEORY OF MUSIC.

*A. C. Lund.*

Through this course the student becomes acquainted with the architectural side of music; learns that musical ideas do not follow each other in a haphazard way, but that they always conform to some well-defined plan.



**a. Composition.**—A study of the physical laws of music, which enables students to comprehend the principle on which each instrument is constructed, and to account for the different qualities and character of musical sounds. The tempered scale, pitch and its perception. Laws governing rhythms, tempo marks, accents, natural and artificial grouping, metronome marks, embellishments, etc. Meter—All the different meters taken up in their relation to hymnology. Figure treatment, leit-motif, all the simple, song-forms studied and analyzed; sonata forms, vocal forms, contrapuntal forms, canon, ending with an analysis of the fugue. Second semester, T. Th.; one-fourth unit credit.

### HARMONY.

*A. C. Lund.*

This teaches the student to think in combination of sounds, or chords, also studies the laws governing the succession of these chords.

**a. Short Review of Rudiments of Music,** scales and intervals. Principal triads and their inversions, cadences. The dominant seventh chord, dominant ninth chord, diminished seventh chord modulation. Throughout the year, T. Th.; one-half unit credit.

**b. Modulation Continued.**—Secondary seventh chords, chromatic passing tones, mixed chords, altered chords, enharmonic changes, suspensions, appoggiatura, organ point, harmonizing florid melodies, figured chorals, analysis. Throughout the year, T. Th.; one-half unit credit.

### MUSIC HISTORY.

*A. C. Lund.*

**a.** This course is essential to music students. Study of the beginnings of music. The origin of the earliest instruments, early music of the Chinese, Egyptians, He-

brews, Greeks, and Romans. The beginning of opera, development of music by the classic and romantic composers, ending with a discussion of the musical influence of the present. One hour throughout the year; one-fourth unit credit.

### NORMAL MUSIC TRAINING.

*C. R. Johnson.*

This course is to aid the grade teachers in their work. Open to Normal students only.

a. **Rudiments.**—Tonal tendencies, major and minor intervals, pitches, triads, signatures, dynamics, rhythms, note reading, and simple melody writing. Note reading, sight singing; discussion of problems involved in proper treatment and training of child voice; chorus practice and individual practice; singing of songs suitable for primary grades. A consideration of methods, etc. Throughout the year. T. Th.; one-half unit credit.

### PUBLIC SCHOOL MUSIC.

*C. R. Johnson.*

a. To prepare music students to become supervisors and teachers in the grades and high schools. A technical knowledge of music and the ability to sing or play required.

The course will deal entirely with theory and methods of teaching, art of conducting, care of child voice, fundamentals in music, institute work, educational value of music, practical demonstrations and teaching in training school. Throughout the year, T. Th.; one-half unit credit. Fifteen dollars extra tuition charged.

## DEPARTMENT OF ARTS AND MANUAL TRAINING.

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The purpose of this department is the development of thought-power, feeling and skill. An incidental aim is to cultivate self-control, and to establish an appreciation for beautiful and skilled expression in the constructive and fine arts—in other words, to educate the user to appreciate more fully the art of the maker through participation. Possible lines of work have the vocational ultimate.

### ENTRANCE REQUIREMENTS.

Applicants for admission to this department will be required to furnish a certificate of graduation from the eighth grade or give other evidence of ability to do the work.

### GRADUATION.

This department offers diplomas in the following lines: (1) General Art with Drawing or Design emphasized; (2) General Manual Training with Woodwork, Ironwork, or Drafting emphasized; (3) General Household Economics, with Domestic Science, Domestic Art, or Dressmaking emphasized.

Sixteen units of credit are required for graduation, and must include: English, three units; Science, one unit; Mathematics, or History and Civics, one unit; Manual Training (Drafting, Woodwork, Ironwork, Domestic Science, Domestic Art, or Dressmaking), or Art (Drawing, Design, Studio Work), three and one-half units.

**COURSES IN ELEMENTARY ART.**

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**DRAWING.**

*Elbert H. Eastmond.*

*B. F. Larson.*

*Glenn Johnson.*

a. (Art a.) **Elementary Representation, Form and Color Study.**—Emphasis placed upon mass drawing in dark and light in color. Objective expression in clay. Landscape representation in simple mass of few values and tones of color. Charcoal tone study introduced. Illustrative drawing. Landscape motif drawing. Application of mass form to decorative unity study and application of geometric motives. Simple problems in design. Suggestive problems: Decorative Folios, Booklets (Correlative) Calendars, Place Cards, Post Cards, Blotter Covers, Book Covers, etc. Landscape Study Pictorial and Decorative. Three hours a week; one-half unit credit. Course correlated generally with Nature Study, Physiography and Literature. Laboratory fee, 50 cents each semester.

b. (Art b) **Elementary Representation, Form and Color Study.**—Continuation of Art a. Object representation in dark and light; and light, shade, and shadow. Emphasis upon representation of values in dark and light and in color. Animal drawing. Simple objective relief-work in clay. Application and study of perspective. Decorative design study continued, correlated booklets, etc. Study of lettering continued. Landscape work continued. Three hours a week; one-half unit credit. Art a required. Laboratory fee, 50 cents each semester.

c. **Form Study and Expression.**—Continuation of b. Elementary still life representation in charcoal tone. Pictorial composition from an objective standpoint. Ani-

mal drawing and sketching from nature. Throughout the year, M. W. F.; one-half unit credit.

**d. Form Study and Expression.**—Continuation of c. Elementary objective clay modeling continued. Animal and pose drawing. Representation in color emphasized. Throughout the year, M. W. F.; one-half unit credit. Laboratory fee 50 cents each semester.

**Note.**—Drawing c and d may be given as Academic Studio work.

### DESIGN.

*E. H. Eastmond.*

*Aretta Young.*

*Glenn Johnson.*

**a. (Art b-1) Study of Application.**—Correlated with Drafting and Mechanic Arts, Domestic Art and Domestic Science. Review of representation. Review of motive color study. Study and application of the principles of rhythm, balance, harmony, etc. Concentration of color and line in ornament. Applied Design emphasized. Block Printing, Stenciling, Leather Work, Carving, Etching, Applied Clay Work, etc. (At least one line of applied design work will be taken up.) Required, Drawing a or equivalent. Courses in natural science recommended to parallel this course. First or second semester, M. W. F.; one-half unit credit. Laboratory fee, \$1.25 each semester.

**Note.**—Design a is subject to subdivision into sections to suit correlative arrangement. See Domestic Science, Domestic Art, Drafting, and Woodwork courses.

**COURSES IN MANUAL ARTS.****DRAFTING.**

*E. D. Partridge.*

a. **Mechanical Drawing.**—Use and care of instruments, mounting of paper, lettering, geometric figure drawing, projection, intersection of solids and developments of surfaces. Throughout the year, M. T. W. Th.; one-half unit credit. Laboratory fee, 50 cents each semester.

b. **Architectural Drawing.**—Furniture construction, drawing, instrumental perspective. Required, Drawing a. Throughout the year, M. W. F.; one-half unit credit. Laboratory fee, 50 cents each semester.

b-1. **Machine Drawing.**—This course embraces the drawing of elementary parts of machines. Plan and elevation drawing; methods of representing sections concluded with working drawings for the pattern shop. Throughout the year, M. W. F.; one-half unit credit. Laboratory fee, 50 cents each semester.

c. **Architectural Drawing.**—Continuation of b. Study of house planning. Detail work and furniture construction. Design a required. Throughout the year, M. W. F.; one-half unit credit. Laboratory fee, 50 cents each semester.

**WOODWORK.**

*John G. McQuarrie.*

a. **Elementary Construction.**—Consideration of wood formation. (Correlated nature study.) Study of lumbering. Care and adjustment of tools and equipment. Correlated construction emphasized. Finishing intro-

duced. Drafting correlated. Tool sharpening introduced. Four two-hour recitations and two hours' preparation each week. Throughout the year; one unit credit.

**b. Elementary Construction.**—Continuation of a. Review of care and adjustment of tools and equipment. Correlation of Drafting. Study and application of working drawing. Construction exercises adapted to environmental needs. Cabinet work (correlated with home-building). Sharpening of tools. Elements of finishing. Applied mathematics. Four two-hour recitations and two hours' preparation each week, throughout the year; one unit credit.

**c. Elementary.**—Continuation of b. Selection and adaptability of woods. Study of the industry of lumbering. Cabinet work. Drafting c recommended as a parallel course. Throughout the year, daily; three-fourths unit credit. Laboratory fee, \$3.50 a semester.

**d. Elementary.**—General joinery and furniture construction. Simple sash work introduced. Creative design emphasized. Combination work of wood and related materials. Throughout the year, daily; three-fourths unit credit. Laboratory fee \$3.50 a semester.

## IRON WORK.

*Hans Anderson.*

**a. Elementary.**—Explanation of tools and materials. Squaring, welding, twisting. Elementary principles of blacksmithing. Four two-hour recitations first and second semester; one-half unit credit. Laboratory fee, \$5.00 a semester.

**b. Forging.**—The making of tools, such as wrenches, picks, hammers, etc. Work in steel; steel and iron welds, springs, tire setting, and scroll work. Four two-hour recitations, first semester; one-half unit credit. Laboratory fee, \$5.00 a semester.

**COURSES IN HOME ECONOMICS.**

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**DOMESTIC SCIENCE.***Lottie Harris.**Margaret H. Eastmond.*

a. **Preparation of Foods for Winter.**—Bacteria in relation to the domestic industries. Food manufacture. Study of food principles and their functions in the body. Simple preparation of jellies, vegetables, meats, breads and desserts. Two two-hour laboratory periods and two lecture periods a week, throughout the year; one unit credit.

b. **Home Sanitation and Personal Hygiene.**—(See Biology a.) First semester; one-half unit credit.

c. **Advanced Cooking and Serving.**—Detailed study of goods, their food value and cost. Kinds and amounts of food for different ages and occupations. Planning of meals and serving. Canning of fruits and vegetables. Advanced cooking. Two two-hour laboratory periods and two lecture periods a week, throughout the year; one unit credit.

**DOMESTIC ART.***Vilate Elliott.**Fernanda Eyring.**Aretta Young.*

a. **Hand and Machine Sewing.**—Fundamental elements of sewing. Application of various stitches in making articles. Darning and mending. Study and care of the sewing machine. Scientific development of patterns.



Study of materials, making of articles of fine lingerie. Drawing (a) recommended as a parallel course. Throughout the year, daily; on-half unit credit.

b. **Art Needle Work.**—Teneriffe lace, colored or white embroidery, first semester; Hardinger embroidery; second semester. Drawing (a) required, Design a) recommended. Throughout the year, M. T. W., Th.; one-half unit credit. Laboratory fee, 50 cents a semester.

c. **Art Needle Work.**—Crocheting, colored embroidery, cross-stitch work, Roman cut work, Hedebo. Design (a) required. Four recitations (one recitation in Design); one-half unit. Laboratory fee, 50 cents.

## DRESSMAKING.

*Vilate Elliott.*

a. **Model Construction.**—Used in shirt-waist making. Drafting and developing of patterns. Study of textiles. Plain shirt-waists, dressing sacques, kimonas, drop-skirts, and plain outside skirts; one other article required. Domestic Art (a) required. Throughout the year, M. T. W. Th.; three-fourths unit credit. Laboratory fee, \$1.50 a semester.

b. **Drafting.**—Models in faggoting stitches. Trimming with lace, shaping of yokes, making of fine white waists, infants' lact hoods. Lessons in outline of dress forms. Study of textiles continued. House dresses, summer lawn dresses, children's dresses. Design (a) required. Throughout the year, three times a week; three-fourths unit credit. Laboratory fee, \$1.50 a semester.

## DEPARTMENT OF AGRICULTURE.

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The work that is offered in this department is arranged under five divisions, namely, General Agriculture, Agronomy, Animal Husbandry, Horticulture and Agricultural Engineering. Enough work is offered in these divisions to provide the students a requisite number of courses of sufficient duration to allow the election of the major part of his study for four or five years within the department. The great majority of the courses, while offered in the high school, are equivalent to those offered by Agricultural colleges and schools generally.

Because of the good laboratory equipment, greenhouse facilities, orchard and demonstration plats, ample provisions are made for the demonstration and illustration of the many principles studied in the various courses.

Through the liberality of the Consolidated Wagon & Machine Company, the Vermont Farm Machine Company, the De Laval Separator Company and others, an up-to-date farm mechanics laboratory has been equipped with the latest improved harvesting, soil-working, and dairy machinery. This enables the department to offer a course in Farm Mechanics.

### ADMISSION.

Students are admitted to the Agricultural department on certificate of graduation from the eighth grade, or by giving other evidence of ability to do the work.

### GRADUATION.

Four units in Agriculture in addition to the other requirements of the Academic department are necessary for graduation.

**GENERAL AGRICULTURE.**

*A. N. Merrill.*

*E. H. Smart.*

*Arthur L. Beeley.*

**a. Elementary Agriculture.**—This course is designed to give an insight into the Science of Agriculture, and treats of the soil, the plant, and the animal, and their relationship to their environments and to each other. First semester, daily; one-half unit credit.

**b. Farm Accounting.**—The methods of accounting as here offered have been tried, approved and adopted by many successful farmers. Second semester, daily; one-half unit credit.

**c. Farm Management.**—This course is a study of the business principles in farming. It treats such topics as types of farming, diversified and specialized farming, intensive and extensive farming, maintaining fertility and the live stock problems, size of farms, equipment, labor, marketing of crops, etc. First semester, M. W. F.; one-half unit credit.

**Lecture Course.**—Beginning with the winter semester, a series of lectures will be given on agricultural subjects by teachers in the school, and by men who are leaders in the various fields of agricultural activities. These lectures will cover a wide range of subjects, and will be of much interest and of great value, not only to the students of agriculture, but to all the students of the University. The lectures will be given at such a time as not to conflict with the class work in other departments.

**AGRONOMY.**

*A. N. Merrill.*

**a. Soil Physics.**—This course is a detailed study of soils and soil types. It treats of the soil in its relation to crop production. The laboratory work will consist of

field trips, soil judging, etc. Daily, throughout the year; three-fourths unit credit. Laboratory fee, \$1.00.

b. **Field Crops.**—This course is a study of the methods of improvement, classification and market requirements of farm crops, also grain judging. Daily, second semester; one-half unit credit. Laboratory fee, 50 cents. (Not given in 1915-16.)

(See College division of this catalogue for advanced work in Agronomy.)

## HORTICULTURE.

*E. H. Smart.*

a. **Horticulture.**—This is a general course, including a study of structure, habits, and growth of cultivated plants and their modification by climate, soil and other relations; propagation of plants by seeds, cuttings, grafting and budding. Second semester, daily; one-half unit credit.

b. **Orchard Management.**—This course deals with the theory and practice of fruit-growing. Such topics are considered as the selection of the orchard site with reference to exposure, soil, market, and climatic conditions; selection of varieties for home and market uses; the nursery stock; laying out and planting the orchard; care and management; picking and marketing fruit. Throughout the year, T. Th.; one-half unit credit.

c. **Economic Entomology.**—This course is a study of the life history and methods of combating destructive insects. Throughout the year, M. W. F.; one-half unit credit. Laboratory fee, 50 cents.

c-1. **Bee Culture.**—A course in bee culture covering a period of five weeks is included in the course in economic entomology. Students desiring work in this line will elect entomology, or may enter for five weeks only.

## ANIMAL HUSBANDRY.

*A. N. Merrill.*

*Assistant Stephens.*

**a. Management of Farm Animals.**—This course is a study of the management of farm animals under various conditions. It is designed especially for beginning students and should be taken up as an introductory course in this department. Throughout the year, M. W. F.; three-fourths unit credit.

**b. Market Classes and Grades.**—This course is a study of the market classes and grades of horses, cattle, sheep, and swine. The prevailing condition of the large market, transportation to the market, etc., will be the subject matter of the course. Second semester, T. Th.; one-fourth unit credit.

**c. Study of Breeds.**—This course consists of the study of the history and development of each breed of beef-cattle, sheep, horses and swine; the breed characteristics, their original home, and the adaptability of each breed to our western conditions. Some time is given to the study of pedigrees. The laboratory work consists of the comparative judging of groups of animals, also score card practice, according to the official standard of each breed. First semester, daily; one-half unit credit.

**d. Veterinary Science.**—In this course the common ailments and diseases of farm animals are discussed. Contagious diseases are taken up in detail with special reference to their cause and prevention. Sanitary Science is a prominent feature in this course. The student is made familiar with the methods of examination for soundness, both in class room and in actual demonstration. Throughout the year, T. Th.; one-half unit credit. Laboratory fee, 50 cents. (Not given 1915-16.)

**e. Animal Nutrition.**—This course deals with the

general principles which underlie the proper methods of feeding and management of all classes of live stock. The common foods given to stock will be studied, as to their composition and nutritive value, and how both are affected by maturity and curing. Calculating rations for the various classes of farm animals under various conditions. First semester, daily; one-half unit credit. (Not given in 1915-16.)

### AGRICULTURAL ENGINEERING.

*E. D. Partridge.*

a. **Agricultural Mechanics.**—This course deals with the principles of construction and care of agricultural machinery. Practice work in the agricultural mechanics laboratory will be emphasized. Daily, first semester; one-half unit credit.

b. **Irrigation and Drainage.**—This course is a consideration of acquisition of irrigation water, construction of ditches, distributing of water, measurements of water and drainage. Daily, second semester, one-half unit credit.

# Graduates, 1914-15.

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## BACHELOR OF ARTS DEGREE.

Allred, Warren.....	Fountain Green
Anderson, Loren A.....	Fairview
Baird, Brigham Y.....	Provo
Baird, Orrin .....	Provo
Baxter, Hugh A.....	Pleasant Grove
Beckstead, Frank .....	Provo
Brockbank, Isaac E.....	Spanish Fork
Burgener, Walter H.....	Midway
Call, Oel F.....	Rigby, Idaho
Clove, Frank .....	Provo
Davis, Ray .....	Provo
Duke, Anna .....	Heber
Gourley, David .....	Provo
Greenwood, Vern .....	Inverury
Harris, Hyrum .....	Provo
Johnson, Glen .....	Provo
Johnson, J. Edward.....	Benjamin
Knudsen, Vernie O.....	Provo
Lybbert, Jacob N.....	Vernal
Mæser, Karl G.....	Beaver
Mathews, Lewis C.....	Provo
Oberhansley, Henry .....	Payson
Page, Geo. W.....	Payson
Palmer, Chloe .....	Castle Dale
Parkinson, Kenneth .....	Blackfoot, Idaho
Perkel, Edna .....	Provo
Stout, Wendell S.....	Colonia Juarez, Mexico
Tanner, Vasco M.....	Fairview
Tietjen, H. Roland.....	Santaquin
Wanlass, Stanley .....	Lehi
Young, Kimball .....	Provo

**WITH THE NORMAL DIPLOMA.**

Beck, E. Ray  
 Campbell, Mazie  
 Curtis, Nathaniel

Greene, Jessie  
 Johnson, Arnold E.  
 Mortensen, Martin, Jr.

**WITH THE NORMAL CERTIFICATE.**

Andrus, Merle  
 Atkin, Patra  
 Anderson, Geneva  
 Anderson, Flossie  
 Blake, Charles H.  
 Blake, Ruth  
 Erockbank, Hazel  
 Booth, Elsie  
 Clyde, Winnie  
 Crosby, Mary  
 Clayson, Lillian  
 Campbell, Jennie  
 Christmas, Millie  
 Crawford, Charles  
 Dalby, Dolores  
 Daw, Walter H.  
 Day, Heloise  
 Day, Roena  
 Downs, Claude  
 Eyre, Floyd  
 Francis, Elsie  
 Freeman, Laura  
 Frei, Vivian J.  
 Gardner, Ina  
 Greenwood, Rhoda  
 Haws, Vinna  
 Hansen, Mabel

Herbert, Edna  
 Herbert, Mary  
 Hansen, Sarah  
 Ivie, Lillie  
 Jensen, A. Ladru  
 Jones, LaReal  
 Jensen, Edna  
 Jolley, B. Manning  
 Kerr, Jennie  
 Lewis, Reva  
 Mæser, Georgia  
 Miller, Alice  
 Mitchell, Jean  
 Madsen, Mae  
 Morton, Bertha  
 Peterson, Ira L.  
 Phillips, Leila  
 Robinson, LaPriel  
 Robertson, Ella  
 Staheli, Wm. C.  
 Stagg, John  
 Stewart, Theresa  
 Stevens, Ruth  
 Scott, Josephine  
 Stahmann, Allen  
 Swenson, Wilford  
 Taylor, Ruth

**WITH THE NORMAL CERTIFICATE.**

Thornton, Sylvia  
 Wakefield, Emma  
 Warner, Blanche L.

Williams, Margaret  
 Wright, Ida



**WITH SPECIAL KINDERGARTEN CERTIFICATE.**

Anderson, Flossie  
Campbell, Jennie  
Clyde, Winnie  
Crosby, Mary  
Greenwood, Rhoda  
Hansen, Sarah  
Ivie, Lillie

Jensen, Edna  
Miller, Alice  
Phillips, Leila  
Scott, Josephine  
Taylor, Ruth  
Williams, Margaret

# Enrollment of Students.

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## POST GRADUATES.

Clove, Jas. ....	Provo
George, J. M. ....	Provo
Ollerton, J. A. ....	Provo
Poulson, M. W. ....	Provo
Worsley, Sadie P. ....	Provo

## JUNIORS.

Gardner, Ray .....	Salem
Goold, Frank .....	Monroe
Greenwood, Aaron .....	American Fork
Hales, Wayne .....	Provo
Harris, Barry W. ....	Provo
Nicholes, Joseph K. ....	American Fork
Pritchett, Roland .....	Fairview
Reynolds, Mable .....	Springville
Roberts, E. L. ....	Provo
Roylance, Merline .....	Provo
Weight, Jesse .....	Springville
Wilkins, J. Ralph. ....	Provo
Winn, Frank .....	Nephi
Woolsey, Parley .....	Escalante

## SOPHOMORES.

Anderson, Andrew M. ....	Brigham City
Atkin, H. R. ....	St. George
Bailey, Ora .....	Provo
Baird, Clarence .....	Provo
Beck, J. Karl .....	Provo
Beck, E. Ray. ....	Spring City
Beck, Reid .....	Provo

Beesley, John O.....	Provo
Biddulph, Samuel .....	Provo
Blazzard, Howard N.....	Thatcher, Arizona
Bullock, Jas. A.....	Provo
Call, Cyril J.....	Rigby, Idaho
Campbell, Mazie .....	Heber
Clark, Dean .....	Provo
Cluff, Elmo .....	Provo
Coleman, Knell .....	Provo
Cottam, Walter .....	St. George
Curtis, Nathaniel .....	Thatcher, Arizona
Daw, Albert W.....	Provo
Dewey, Agnes K.....	Provo
Dewey, J. Leland .....	Provo
Dye, J. Alma .....	Basalt, Idaho
Eggertsen, Luther E.....	Provo
Eggertsen, S. P.....	Provo
Finlayson, Vivia .....	Provo
Gardner, John R.....	Salem
Gilchrist, Olive Y.....	Provo
Huish, Mamie .....	Provo
Jackson, Newton .....	Provo
Jacobsen, A. J.....	Provo
Jensen, James .....	Spanish Fork
Johnson, Arnold E.....	Lovell, Wyoming
Later, Athol E.....	Rigby, Idaho
Lewis, Ezma .....	Park City
Lindsay, Lizzie .....	Heber
Mayer, James P.....	Fountain Green
Mitchell, Charles .....	Provo
Monson, Horace E.....	Pleasant Grove
Mortenson, Martin, Jr.....	Thatcher, Arizona
Peterson, Brigham .....	Santaquin
Ratcliffe, Bessie .....	Provo
Robinson, Arnold E.....	Provo
Savage, N. Henry.....	St. George
Smith, Lois .....	Provo
Snow, Karl N.....	St. George
Southwick, Albert .....	Provo
Steed, Oliver F.....	Alberta, Canada

Stephens, Fayette .....	Rexburg, Idaho
Storrs, Jos. B. ....	American Fork
Stratton, James G. ....	Provo R. F. D.
Tew, Wm. T., Jr. ....	Mapleton
Thomson, N. K. ....	Ephraim
Walker, Dilworth .....	Rexburg, Idaho
Winn, Herman .....	Nephi
Woodbury, Mattie .....	St. George
Glazier, Forrest S. ....	Provo
Greene, Jessie .....	American Fork
Greenwood, Rhoda .....	Provo
Hafen, Leroy .....	Bunkerville, Nevada
Hilton, I. R. ....	Pleasant Grove
Hinckley, Robert H. ....	Provo
Hubbard, John C. ....	Willard
Huish, A. E. ....	Provo

#### FRESHMEN.

Anderson, Flossie .....	Fairview
Anderson, Geneva .....	Beaver
Anderson, Rondo W. ....	Grantsville
Andrus, Merle .....	Mammoth
Archibald, G. R. ....	Park City
Atkin, Patra .....	Salina
Austin, Myrtle .....	Idaho Falls
Aydelotte, I. Thirl. ....	American Fork
Barkdull, Philip .....	Meadow
Barnett, Owen .....	Payson
Bate, Tillie .....	Provo
Bean, Clara B. ....	Payson
Bean, Lee A. ....	Provo
Bee, Florence .....	Provo
Bee, Jane .....	Provo
Black, Coral .....	Provo
Blackburn, Geraldine .....	Brigham City
Blake, Charles .....	Provo
Blake, Ruth .....	Provo
Booth, Elsie .....	Provo
Boyden, A. Webster. ....	Manti

Boyle, Clarence S.	Knightsville
Brandley, Harold	Sterling, Canada
Brandley, Lewis	Sterling, Canada
Brimhall, Burns	Provo
Brinkerhoff, Joseph	Eagar, Arizona
Brockbank, Hazel	Spanish Fork
Brooks, Samuel	St. George
Brown, John C.	Grantsville
Burgener, Arnold	Midway
Bushman, Silas A.	St. Joseph, Arizona
Butler, David A.	Eagar, Arizona
Call, Elmo J.	Rigby, Idaho
Campbell, Jennie	Heber
Campbell, O. D.	Provo
Cardall, Hannah J.	Provo
Carroll, Elsie C.	Provo
Carroll, Joseph S.	Provo
Chipman, J. Milton	American Fork
Christensen, John E.	Fairview
Christmas, Millie	Spanish Fork
Clark, Herald	Farmington
Clark, Lawrence W.	Morgan
Clark, Rulon	Provo
Clark, Stanley	Panguitch
Clayson, Lillian	American Fork
Clyde, Winnie	Provo
Collett, Marie	Roosevelt
Cordon, George	Rigby, Idaho
Crandall, Agnes L.	Provo
Crawford, Charles	Monroe
Crosby, Mary	St. George
Dalby, Dolores	Levan
Davies, Bernice	Provo
Davis, Clive	Vernal
Daw, Walter H.	Provo
Day, Heloise	Provo
Day, Roena	Fairview
Dotson, Euphemia	Provo
Downs, Claude	Provo
Eagar, David R.	Eagar, Arizona

Eggertsen, Algie .....	Provo
Ellertson, Alton E. ....	Mona
Ercanbrack, Sterling .....	Provo
Evans, Jas. Edwin .....	Panguitch
Evans, Vera .....	Safford, Arizona
Eyre, Floyed .....	Urie, Wyoming
Fletcher, Erma .....	Provo
Francis, Elsie .....	Mammoth
Freeman, Laura .....	Salt Lake
Frei, Effie .....	Santa Clara
Frei, Vivian .....	Santa Clara
Gardner, Ina .....	Spanish Fork
Gillespie, Jas. W. ....	Rexburg, Idaho
Gunn, John .....	Adamsville
Hafen, Guy .....	Santa Clara
Hales, H. Milton .....	Spanish Fork
Hanchett, Ambrose .....	Annabella
Hansen, Mabel .....	Vernal
Hansen, Sarah .....	St. Anthony
Harding, George B. ....	Provo
Hardy, LeGrand .....	Provo
Harmer, Lida .....	Provo
Harmon, Clarence H. ....	Provo
Harris, Marion .....	Provo
Haws, Vinna .....	Provo
Haynie, Leonard M. ....	Manassa, Colorado
Hedquist, Tillie F. ....	Provo
Herbert, Edna .....	Salina
Herbert, Mary .....	Salina
Hinckley, Leonore .....	Provo
Hone, Myrtle .....	Provo
Hugh, Jennie .....	Santa Clara
Huish, Elbert F. ....	Provo
Huish, Lenora .....	Payson
Ivie, Lillie .....	Salina
Jackman, A. P. ....	Levan
Jensen, A. Ladru .....	Provo
Jensen, Edna .....	Provo
John, Leila .....	Provo
Jolley, B. Manning .....	Duchesne

Jones, LaReal	Provo
Jones, Lorin	Colonia Dublan, Mexico
Keeler, Eva J.	Provo
Kerr, Jennie	Provo
Kerr, Rhea	Provo
Kling, Joyce	Provo
Knight, George	Kamas
Knight, Raymond	Kamas
Knight, Reuben	Kamas
Knowlden, Lucile	Provo
Knudsen, Ernest E.	Provo
Knudsen, Nettie	Provo
Lambert, Della	Roosevelt
Larsen, Lottie	Monroe
Lewis, Elroy E.	Cowley, Wyoming
Lewis, Mark	Spanish Fork
Lewis, Reva	Provo
Linsay, Lisle	Heber
Luke, Clinton	Junction
Lyman, Mary	Grayson
Laurell McCarty	Richfield
Madsen, Mae	Fairview
Mæser, Georgia	Beaver
Mangleson, Herman	Levan
Marshall, Milton	Vernal
Mason, Freda	Springville
Mathews, Kate	Provo
Maycock, Ella	Provo
Mayer, Clifford	Fountain Green
Mellor, Beatrice	Thistle
Miller, Alice	American Fork
Mitchell, Jean	Provo R. F. D.
Morton, Bertha	Pleasant Grove
Moody, Urilda	Florence, Arizona
Nelson, Elmer	Provo
Nelson, Eunice E.	Sandy R. F. D.
Nilson, Ralph F.	Knightsville
Nilson, Mrs. Ralph F.	Knightsville
Oberhansly, Minnie	Payson
Olson, Lafayette	Provo

Page, Gertrude .....	Provo
Parcell, Ivan .....	Wallsburg
Peterson, Ira L. ....	Ephraim
Phillips, Leila .....	Provo
Pickering, Ruth .....	Provo
Potter, James .....	Vernal
Powelson, George .....	Provo
Randall, Leamon .....	Idaho Falls
Riches, Fern .....	Nephi
Robertson, Ella .....	Cowley, Wyoming
Robinson, La Priel. ....	Hinckley
Russell, G. Oscar .....	Provo
Russell, Harry J. ....	Provo
Schramm, Lydia .....	Payson
Scott, Irvin .....	Provo
Scott, Josephine .....	Provo
Sherwood, Lawrence P. ....	St. Johns, Arizona
Showalter, Victor .....	Panguitch
Slack, H. Roy .....	Provo
Smart, Orena .....	Provo
Smith, Eliza .....	Pocatello, Idaho
Snell, Earl .....	Spanish Fork
Snow, Vera .....	Pine Valley
Staheli, Wm. C. ....	Santa Clara
Stahmann, Allen .....	Spanish Fork
Stevens, Ruth .....	Salina
Stewart, Theresa .....	Provo
Stowell, Myrtle .....	Provo
Stringham, Ray .....	Vernal
Sumsion, Lacelle .....	Springville
Swenson, Wilford M. ....	Pleasant Grove
Talmage, Albert W. ....	Provo
Talmage, Elsie .....	Salt Lake
Taylor, Bayard .....	Coalville
Taylor, Ethel R. ....	Provo
Taylor, Joseph W. ....	Provo
Taylor, Lance .....	Provo
Taylor, Lee R. ....	Payson
Taylor, Ruth .....	Provo
Thomas, Minnie P. ....	Provo



Thompson, Mary .....	Provo
Thornton, Sylvia .....	American Fork
Van Wagoner, Earl.....	Provo
Wakefield, Emma H.....	Provo
Wakefield, J. F.....	Provo
Walker, Harold S.....	Pleasant Grove
Ward, David C.....	Willard
Warner, Blanche L.....	Provo
Warner, Roland L.....	Provo
White, James J.....	Willard
Whitlock, Royal .....	Mayfield
Wilkins, Jennie .....	Provo
Williams, Margaret .....	Provo
Wilson, Belle .....	Midway
Wilson, Corrine .....	Provo
Wilson, Melvin .....	Payson
Wilson, N. F.....	Provo
Woodbury, Annie .....	St. George
Woodbury, Claire W.....	St. George
Wright, Ida .....	Charleston
Young, Francis M.....	Provo

# High School Graduates.

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## ACADEMIC DEPARTMENT.

Anderson, Otto Leonard	Larson, Clinton
Bird, Merrill W.	Lambert, Della
Crandall, Glen	Nixon, Nina
Davis, J. Clive	Purcell, Roy
Dye, Rachel	Pearson, Cyril D.
Egbert, Verda I.	Probst, Clarence
Freckleton, Raymond	Roberts, Geneve
Holt, Jeanie M.	Stringham, Ray
Hortin, J. Carl	Showalter, Victor
Hatch, Meltiar V.	Taylor, Arthur D.
Ivie, Pearl	Ward, David C.
Jacobsen, J. Alfred	Winters, Merrill A.

## ARTS AND MANUAL TRAINING DEPARTMENT.

Berry, Chloe	Fletcher, Eula
Bird, Merrill W.	Hutchinson, Vivlan
Coleman, Willamelia	Jenkins, Hattie E.
Dye, Rachel	Roberts, Geneve
Farr, Laura	Sabin, Preal

## DEPARTMENT OF BUSINESS EDUCATION.

Brown, John C.	Schofield, Ray W.
Cheever, Stanley S.	Sauls, Keifer B.
Dunn, J. Harold	Van Wagoner, Earl
Parry, J. Waldo	Winters, Merrill A.
Parsell, J. Ivan	Wunderly, Olga
Showalter, Victor H.	

## MUSIC DEPARTMENT.

Burgener, Arnold	Frisby, Carl E.
Greene, Jessie	

## AGRICULTURAL DEPARTMENT.

Clark, Don E.

# High School Enrollment.

## FOURTH YEAR.

Anderson, Otto L.....	Heber
Bandley, Walter .....	Provo
Banks, Glen .....	Provo
Berry, Chloe .....	Provo
Berry, David A.....	Cedar Valley
Billings, Eva .....	Provo
Bird, Merrill .....	Mapleton
Bodily, Edwin .....	Vernal
Bonnett, Stanley .....	Provo
Bradshaw, Bernard .....	Magrath, Canada
Bullock, Ralph .....	Provo
Burridge, T. L.....	R. F. D., Provo
Cheever, Stanley .....	Provo
Clark, Don E.....	Provo
Coleman, Willamelia .....	Provo
Cooper, R. N.....	Fillmore
Crandall, Glen .....	Provo
Daley, David E.....	Provo
Daley, Violate .....	Provo
Duffin, Florence .....	Provo
Dunn, J. Harold.....	Provo
Dye, Rachel .....	Basalt, Idaho
Egbert, Verda .....	R. F. D., Sandy
Farr, Laura .....	St. Jonhs, Arizona
Farrer, Grace .....	Provo
Fletcher, Eula .....	Provo
Foote, T. Earl.....	Provo
Freckleton, Raymond .....	Provo
Frisby, Karl .....	Provo
Gardner, Stella G.....	Vernal
Graham, Gladys .....	Fairview
Hales, Miles .....	Provo
Hansen, Edna .....	St. Joseph, Arizona

Harding, Jennie	Provo
Harris, Anna	Superior, Wyoming
Hartley, Mary	Provo
Hatch, V.	Panguitch
Hendrickson, Henry O.	Levan
Holt, Jeanie	Provo
Hoover, Ray	Provo
Hortin, Carl	Oakley
Huish, Marguerite	Provo
Huish, Nazar	Provo
Hunter, David	American Fork
Hurst, Ira L.	Colonia Dublan, Mexico
Hutchinson, Vivian	Springville
Ivie, Pearl	Salina
Jacobson, J. Alfred	Oak City
Jenkins, Hattie	Provo
Johnson, Warren	Vernal
Jones, Albert	El Paso, Texas
Jones, John G.	Provo
Kartchner, Rachel	Provo
Kitchen, Landrum	Pleasant Grove
Larson, Clinton	St. George
McAllister, Richard W.	St. George
McDonald, Inez	Provo
Mathews, Phil	Provo
Mildenhall, John	Provo
Miller, Grover C.	Provo
Murdock, Cora	Heber
Nelson, Everett	Wells, Nevada
Nelson, Virginia	Provo
Newell, Mary	Provo
Nicholes, Eugene	American Fork
Nixon, Nina	Huntington
Oldroyd, Irvin	Fountain Green
Oliver, Wm. A.	Provo
Ord, Byron	Cove, Oregon
Parry, Waldo	Elsinore
Paxman, Barbara	Provo
Paxman, Grace	Provo
Pearson, Cyril D.	Elsinore

Pierpont, Clifford	Provo
Porter, Guy W.	Central
Poulton, Norma	Provo
Powelson, Loran	Provo
Probst, Clarence	Midway
Purcell, Roy	Samona
Rasmussen, Wilford	Provo
Risser, Mabel C.	Moccasin, Arizona
Roberts, Geneve	Provo
Romney, Erma	Provo
Roundy, Mack	Provo
Russell, Melvin	St. John
Sabin, Preal	Salem
Sauls, Keifer B.	Pinebur, Mississippi
Schofield, Ray W.	LeGrande, Oregon
Snell, Wm. H.	Cowley, Wyoming
Snow, Hazel	Salem
Stowell, Earl	Provo
Strong, Hewitt	Provo
Taylor, Arthur D.	Provo
Taylor, Joel	Levan
Taylor, Julia	Provo
Thomas, Wallace	Provo
Thurman, Glen J.	Provo
Walton, Ben A.	American Fork
Wanlass, Ewell	Lehi
Winn, Kenneth	Nephi
Winters, Merrill	Chester, Idaho
Woolsey, Chas	Escalante
Woolsey, Earl	Escalante
Wunderly, Olga	Salt Lake
Young, Dorothy	Salt Lake

## Third Year.

## A

Adams, Carlie .....	Bluff
Adams, Lloyd .....	Bluff
Allred, Odessa .....	Lehi
Anderson, Earl .....	Provo
Anderson, Charl .....	American Fork
Anderson, Elwood .....	Provo

## B

Bean, Ross S. ....	Provo
Bean, Ruth .....	Provo
Beckstead, Wesley .....	Provo
Bown, Miles .....	Provo
Brady, Lucile .....	Fairview
Brimhall, Afton .....	Provo
Brimhall, Enos .....	Provo
Brown, Allen .....	Mammoth
Brown, Hugh C. ....	Provo
Brown, Theodocia .....	American Fork
Buckner, Elmer .....	Provo, R. F. D.
Buckley, W. D. ....	Provo, R. F. D.
Butler, Jennie M. ....	Eagar, Arizona

## C

Carter, Albert .....	Provo
Cassity, Harold .....	Provo
Chipman, Elva .....	American Fork
Christensen, Marlow .....	Levan
Clayton, Orvil H. ....	Provo
Clayton, Stella .....	Provo
Clements, Earl .....	Springville
Clift, Vyvyan .....	Provo
Cook, Leland .....	Fountain Green
Crandall, Grant .....	Provo
Crandall, Lewis .....	Provo
Crowther, Lewis O. ....	Provo
Cutler, Marian .....	Shelley, Idaho

**D**

Daw, Hazel R. .... Provo  
 Dunn, Ralph ..... Provo

**E**

Eggertsen, Grant ..... Provo  
 Ekins, Mabel ..... Provo  
 Ekins, Marie ..... Provo  
 Ellertson, Don ..... Mona

**F**

Farrer, Salena ..... Provo  
 Finlayson, Birdwell ..... Provo  
 Finlayson, Leon J. .... Provo  
 Foote, Valera ..... Provo

**G**

Garff, Cora ..... American Fork  
 George, Edna ..... Provo  
 Goff, Valaite ..... Shelley, Idaho  
 Goulding, Cora ..... Panguitch  
 Graham Earl ..... Provo  
 Greer, C. P. .... Provo  
 Griffiths, Lewis ..... Minersville  
 Griffiths, Stanley ..... Minersville  
 Guyman, Clara ..... Provo

**H**

Harris, Ireta ..... Provo  
 Harris, Carl ..... Cardston, Canada  
 Harris, Lewis ..... Provo  
 Harris, Loda ..... Colonia Dublan, Mexico  
 Harris, Violet ..... Hansen, Idaho  
 Heywood, Ida ..... Panguitch  
 Holt, Florence ..... Provo  
 Huff, Wm. Lee. .... Moab  
 Hurst, Guy H. .... Colonial Dublan, Mexico

## I

Irvine, Ralstone .....	Provo
Iverson, Bessie .....	Provo
Ivie, Dee .....	Aurora

## J

Jacobsen, Cornelia .....	Provo, R. F. D.
Jackman, Wm. ....	Levan
Janson, Irvin .....	Provo
Jensen, Alta .....	Provo
Jensen, Freda .....	Provo
Jensen, J. Raymond .....	Taber, Canada
John, Howard .....	Provo
Johnson, Alonzo .....	Burlington, Wyoming
Johnson, Eleanor .....	Benjamin
Johnson, Rex .....	Huntington
Jones, Byron .....	Provo
Jones, Leah .....	Provo
Jones, Ruth .....	Nephi
Jones, Victor .....	Nephi

## K

Kartchner, Wm. Z. ....	Grayson
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## L

Lambert, Clyde .....	Roosevelt
Lambert, James .....	Kamas
Langford, Orlando .....	R. D., No. 2 Tucson, Arizona
Leetham, Alta .....	Provo
Lindsay, S. Roland .....	Heber
Lisonbee, Margie .....	Provo
LeVitre, Ray .....	Provo
Lloyd, Earl G. ....	Provo
Loveless, J. Max .....	Provo
Luke, Jennie .....	Junction
Lund, Weber A. ....	Ephraim



## M

Maiden, Fenton M.	Provo
Mangum, Woodruff	Provo
Manwaring, David	Groveland, Idaho
Manwaring, Estella	Provo
Manwaring, Horace	Provo
Meldrum, Reed	R. F. D., Provo
McMurrin, Jeanette	Provo
Meldrum, Martha	Provo
Mix, LaRue	Provo
Moody, Norma	Deseret
Murdock, Grant	Duchesne
Murdock, Sylvia	Charleston

## N

Nelson, Erven J.	Provo
Nelson, Henry A.	Provo

## O

Ollerton, Fay	Parowan
Olsen, Angus	Provo
Openshaw, Laverne	Provo

## P

Parry, Genevieve	Elsinore
Patten, Mildred	R. F. D., Provo
Phelps, Lynn	Provo
Pierpont, Naomi	Provo
Pratt, Nina	Hinckley
Probst, Karl L.	Midway
Prows, Seymour	Salina
Pulley, Ether	American Fork
Pyne, Sterling	Provo

## R

Radmall, Reuben	Pleasant Grove
Rasmussen, Arnold H.	Sanford, Colorado
Redd, A. Jay	Grayson

Riches, Mayme .....	Nephi
Robertson, Leroy J.....	Fountain Green
Robinson, Samuel B.....	Coalville
Ross, Daison .....	Provo
Russon, Joseph .....	Lehi

**S**

Scorup, Edna .....	Bluff
Searle, Lorean .....	Provo
Sewell, Wm. ....	Driggs, Idaho
Shepherd, John D.....	Levan
Siddoway, John .....	Vernal
Slack, Dora .....	Provo
Slack, Heber .....	Provo
Smith, Jessie .....	Pocatello, Idaho
Smith, Leatha .....	R. F. D., Provo
Smith, Leslie .....	American Fork
Smith, Wilford .....	Price
Smith, Wm. ....	Grantsville
Steele, Ray .....	Goshen
Storrs, Leland V.....	Provo
Stowell, Eugene .....	Provo
Stubbs, Hazel .....	Provo
Stubbs, Roy .....	Provo
Sward, Vena .....	Provo

**T**

Taylor, Cecil .....	Provo
Thorne, Ida .....	Samoa
Thurmond, Myrteen .....	Provo

**V**

VanWagenen, Chloa .....	Provo
Vincent, Paul .....	Salt Lake City

**W**

Wagstaff, Leon .....	American Fork
Watson, Harry N.....	Charleston

Whittaker, Hazel .....	Circleville
Wilson Edith .....	Midway
Wright, Hattie A. ....	Levan
Wunderly, Ernest .....	Salt Lake City

**Z**

Young, Klara .....	Provo
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**Second Year.**

**A**

Abegg, Eli .....	Tucson, Arizona
Anderson, Florence .....	Provo
Anderson, Oscar .....	Provo
Arthur, Vaughn .....	St. John

**B**

Baird, John M. ....	Heber
Bate, Lorenzo .....	Provo
Beard, J. Arthur .....	Coalville
Beckstead, George .....	Provo
Bennion, Rulon .....	Vernon
Bonnett, Glenn .....	Provo
Booth, Edwin .....	Provo
Bown, Lillian .....	Fayette
Brereton, Clarence .....	Provo
Brimhall, Paul .....	Provo
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Bradford, Lester .....	Spanish Fork

Brimhall, Wilford .....	Provo
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## C

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Chamberlain, Beth .....	Provo
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Cloward, Beatrice .....	Salem
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## F

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Gibbs, Owen	Marysvale
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Gray, Archie	Monroe, R. F. D.
Graves, J. H.	Lake Shore
Greenhalgh, Angus	Santaquin
Greenhalgh, Willis	Santaquin
Griffin, Vaunie	Escalante
Griffiths, Reese	Minersville
Gurr, Junius	Parowan
Guyman, Katie	Provo

## H

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Hansen, Cleo	Fountain Green
Harding, Paul	Provo
Harding, Wesley R.	Provo
Harris, Reed	Hansen, Idaho
Harris, Sterling	Provo
Harrington, Delos	L American Fork
Hatch, Chas.	Vernal
Hatch, Clyde	Vernal
Hedquist, Walter S.	Provo
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Higgs, Delila	Provo
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## R

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## S

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